

THE WORLDWIDE TV-FM DX ASSOCIATION

Serving the UHF-VHF Enthusiast

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCASTING SIGNALS AT VHF AND UHF. WTFDA IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK AND MIKE BUGAJ.

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OCTOBER 2001 - CHECK THIS LIST!

In order to keep your VUD arriving at your home without interruption, look for your name on this list. Your membership ends on the last day of the month shown. Renew *early!*

October

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If you have already renewed and see your name here, please disregard it. Check the Mailbox. Your name may already be there.

IMPORTANT RENEWAL CHANGES

Effective immediately, all checks or money orders sent for new memberships and membership renewals should be made payable to **DAVE JANOWIAK**. Please do NOT make out any checks or money orders to WTFDA because this will slow down the processing of your renewal and may delay the return of your check to you. However, all renewals and new memberships should be mailed to WTFDA at the P.O. Box 501, Somersville, CT address as usual.

For those who don't remember, David is WTFDA treasurer and this move has been made for legal reasons. Thank you all for your co-operation!

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The eVUD!

OCTOBER 2001

Here's the eVUD for October 2001. Everything you'd expect to see in the VUD is here except for Photo News. We ran into file size problems with Photo News this month. With a little luck we'll have it fixed for next month. Enjoy.

The WTFDA List on Topica



With around 135 subscribers, the WTFDA list (reflector) on Topica.com is a favorite of many of the club's members. The WTFDA list is famous for its instant E skip and Tropo alerts, lively discussions of topics relating to television and FM Dxing and radio in general, help with unidentified stations, equipment and tuner reviews by Ed Hanlon, Mike Hawk and others, help with piecing together a killer DX shack, the latest news on RDS in America, digital television, IBOC and much more. To subscribe, send an email to

WTFDA-subscribe@topica.com.



WTFDA MAILBOX

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OCTOBER 2001

Greetings and welcome to the Mailbox! Golly, did the eastern USA and Canada have some great tropo in early September. If you are not on the WTFDA email list then read the reports in this month's VUD because you'll find some extreme FM DX here.



Every once in a while a Dixer winds his way through New England, and such was the case on Sept 4th when Eastern TV Editor **Matt**

Sittel and his very lovely wife Karen drove down from Hampton Beach, NH and made a detour up I-91 so my wife and I could join them for dinner at the East Windsor Cracker Barrel. It was good food and great company and two hours flew by very quickly. It was easy to spot the Nebraska license plates in the parking lot!

MEMBERS AND MORE

This month we welcome two more new members. Let's welcome **James Roseman** to the club. James lives in the beautiful city of Moline, IL. Welcome, Jim! Next say hi to **Jeff Lehmann**. Jeff lives just south of Boston in Hanson, MA and is also a ham and is young enough to get him membership for the low student rate of \$15 a year. Jeff is also a regular on WTFDA chat. Welcom Jeff!

Over on the renewal side we have **F.J. Issard (ON)**, **Scott Fybush (NY)**, **George Greene (OH)**, **Bill Smith (MA)**, **Bob Seybold (NY)**, **Peter George (MA)**, **Eric Voytko (VA)**, **Randall Trapp (MN)**, **Glenn Hauser (OK)**, **Wolfgang Schneiter (CA)**, **Roosevelt Crawford (OK)**, **Calvin Glover (MD)**, **John Adams (OR)**, **Joe Fela (NJ)**, **Steve Solomon (MA)**, **Kurt Nelson (PA)**, **Paul Kinnaly (MA)** and **Karl Zuk (NY)**.

Joining us on the WTFDA list as an associate member is **Bogdan Chiochiu**

from the Montreal area. Bogdan is 15 and a verry intelligent kid. He keeps us all on our toes!

John Vervoort(NY) sent up copies of two verifications he got from his summer E skip. Rather than print them here, I scanned them and emailed them to Tom Yingling. Tom does the verie column and this type of material should go to him anyway. If you have any veries or verie signers, send that material to Tom at the address on the inside back page. Nice going on the veries, John!

In the mail was a postcard from **Ken Onyschuk (IL)** who was sad to see FM News missing from the last VUD. Well Ken, Greg should be back with a big one this month. John also sent a list of NFL flagship stations, some of which are on FM, which I could edit and use FM flagships as space allows.

Roosevelt Crawford (KS) writes: "I'm interested in FM DX. I am using a 1979 Sansui G 22000 Receiver, RG-6 quadshield and a ten element Radio Shack yagi pointed south with most of the Topeka stations nulled out. I don't have a rotor and I'm not using an antenna preamp because I'm less than one mile from KJCK 94.5. The antenna is 25' high. I get 4 stations from Tulsa and two from Oklahoma City about 50% of the time. I usually listen to KMOD-97.5 Tulsa or KATT-100.5 in OKC. KDMM-105.7 went off he air about a month ago. Two days ago I heard KJRL-105.7 "Radio for Life 105.7". The new format is Christian. The power seems to be the same. KMAJ-107.7 Topeka is very weak since they moved their xmtr to the east."

And from veteran TV Dixer **Bob Seybold**: " Happy to continue in the club. It has been a great E skip season as we get into late July. Only a few days since late May when there was no skip. Many big openings with intense signals, some double hop, some high band skip. Tonight as I write, the Canadians to the north are in, also Dakotas, Wyoming, Kansas, Florida, etc. all in. (Let's face it Bob...you're just a skip magnet -ed).

One other thing that came in the mail recently was a mysterious package with a Cape Cod address. It turned out to be a videotape from **Roy Barstow**. Roy had some great tropo video on that tape, but what really caught my attention was a segment that lasted a few minutes long of Roy's 2-hop TV reception of channel 2 in Nicaragua from July 5, 2000, the same day some of us here heard 2-hop from Mexico! Next year I intend to watch ch2 even closer than I do now!

How Roy Barstow Started Dxing

This month's semi-irregular feature belongs to **Roy Barstow**. We might want to subtitle it "How to Haul a Tower Across the Sagamore Bridge without Losing Your Life." Here goes:

"I grew up in Walpole, MA in a family of 7 men and 1 girl. Two of my brothers were influential in starting the DX bug in me.

The oldest, Lawrence, used to listen to AM and shortwave and the aircraft band. Ralph who was next in age to me got his novice license and I would watch him DX and help with mounting antennas, etc.

I started Dxing the AM band after one of my brothers used to pull in WWVA country music with a crystal set. That was amazing.

One day I was outside and Lawrence yells out the door that Florida is coming in on the TV. I dropped everything and said "son of a (expletive deleted)" and ran into the house. That was my first Es and I was hooked.

Later in high school I got a part time job and a Lawrence and I got a 72 foot Triex tower. Also while in high school I joined the radio club they had. That helped me get my novice ham ticket. We went on a field day and made contacts using a beer can antenna and also had fun tracking down hidden transmitters using a mobile rig in a car. I would hang out the window with this 2M loop antenna and move it around.

I could never grasp the code at higher speeds and concentrated on TV Dxing. I also stuck with AM Dxing until I was drafted into the army.

In the army I was a radio relay and carrier operator. In 1965 our company was sent to Viet Nam and we helped supply communications in the VHF band using antennas we called "flyswatters". Sometimes in order to get a strong enough signal we would bounce it off a mountain.

After coming back to the states and getting discharged, I went back home and noticed the AM band getting crowded with all-night stations. I stopped Dxing AM around 1966 after verifying 49 states and concentrating on TV Dxing. Here one could not only hear but could see the DX signal and that's why I have always been in tune with TV Dxing.

I got married and with two children was living in Boston and Dxing went to the back burner. I heard about the AIPA in one of those communications magazines and joined.

We got a good deal on a 3 bedroom ranch house in Falmouth-Cape Cod and moved in. I did not like the hustle and bustle of Boston and was glad to move out. While living in Boston for about 2 years my only DX was on a portable TV with rabbit ears. Lawrence no longer used the tower that much, and said that I could have it. We put the tower on top of his pick-up truck and drove from Walpole to Cape Cod on a Monday morning around 2am. I remember even now going over the bridge with the Cape Cod Canal below, all the time thinking and saying "don't please, don't slide off!" We made it home and got the tower up fine.

The next year I decided to put a screen on the 7 foot dish. No one else had done this as far as I know. Being more like a radar dish, it should increase the gain. The only thing I had laying around was window screening, so I used that. It helped, especially on the higher transscatter channels. I picked up and verified Cobbs Creek, VA...100 watts. This antenna unfortunately came down during a snowstorm.

One of the biggest mysteries was how come I never could pick up Florida. I remember reading in the DX News that Bob Cooper said that about every year ducting should be there for Dxers on the New England coast to pick Florida and vice versa. After 10 years of Dxing from Teaticket I could only get down to 22 Savannah, GA about once every other year. Then it seemed the floodgates opened. While watching TV upstairs one evening on channel 19, something was coming in and I heard the Gold Coast mentioned. It was WDZL, Miami, FL.

Now it seems like every other year I was picking up Florida."

LAST BUT NOT LEAST

September 11, 2001 was a horrible day for all of us. But it was even more so for the thousands of people who worked in the twin towers.



We are reminded of the engineers and television people who were stationed on top of the towers monitoring the transmitters, etc. Many of them were also ham operators. We dedicate this issue to them.

Take care, don't forget to write and we'll see you all next month! -Mike

TV News 2001

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October

Abbreviations

AF	Applied for (a new station)
CA	Class A status request/grant
CC	Call change
CL	City-of-license change
DE	Station deleted
FC	Programming (format) change
GA	Granted amendment to the table of allocations
LC	License to cover (for changes or new station)
NO	Not on the air
NS	New station granted permit
NW	New station on the air
PA	Proposed amendment to the table

of allocations	
PC	Power (or tower height) change on the air
PG	Power (or tower height) change granted
PR	Power (or tower height) change requested
QC	Channel change on the air
QG	Channel change granted
QR	Channel change requested
SI	Off the air ("silent")
XC	Transmitter site change on the air
XG	Transmitter site change granted
XR	Transmitter

News:

Alaska:

Anchorage 16 KYEX-LP QG from ch. 18,
PG>150kw, 61-28-05/150-44-16

Alabama:

Birmingham 36 WABM-DT NS 850kw/409m,
33-29-04/86-48-25

Gulf Shores 55 WBPG CC from WGMP

Mobile 12 W12CP PG returned, defective app.
Mobile 21 WMPV-TV PR<3083kw/574m,
30-37-47/87-38-15

Moody 58 WBMG-LP PG>50kw

Tuscaloosa 7 WJRD-LPsold to U. of Ala.

Arkansas:

Little Rock 5 KETS-DTQG from ch. 47, 2.1kw/531m

Little Rock 36 KKAP NW, 320kw/395m,
34-47-56/92-29-45, Daystar religion

Little Rock 42 KWBF CC from KLRA-TV

Pine Bluff 45 KWBK-LP PG<11.7kw,
34-13-37/91-58-16

Sheridan 5 KWBF-LP CC from K05IS

Arizona:

Chloride 49 K49EU QC from ch. 64, 0.05kw

Dolan Springs 35 K35EIQG from no offset to minus

Phoenix 39 KOND-LP sold to Univision

Tucson 25 KTAZ-LP sold to Univision

Tucson 32 KOLD-DT PR<750kw/1123m,
32-24-56/110-42-50

Yuma 16 KSWT-DT NS 196kw/444m

California:

Bakersfield 4 KMMB-LP SI

Bakersfield 42 K42EJ SI

Clovis 43 KGMC PC>4270kw

Coalinga 48 K48DY SI?

Crescent City 46 K39EO QR from ch. 39

Eureka 13 KEET PR<180kw/550m,
40-43-39/123-58-16

Fresno 3 K05KM QR from ch. 5

Fresno 4 KVHF-LPPG>3kw

Hanford 16 KHMM-LP SI

Hesperia 18 KSCI-1 AF 5.5kw,
34-21-08/117-40-27

Huntington Bch. 48 KOCE-DT NS 1000kw/952m,
34-13-35/118-03-58

Los Angeles 57 KJLA-1 grant rescinded

Los Angeles 63 KADY-1 grant rescinded

McKittrick 50 K50CL SI

Merced 51 KNSO PG>5000kw/558m,
37-04-19/119-25-49

California:

Monterey 23 K23EW PG>50kw

Palm Springs 12 KYAV-LP PG>0.99kw

Paso Robles 21 K21EX sold to Univision

Planada 63 K63EC SI

Porterville 20 KKAK-LP SI

R. Palos Verdes 51 KXLA-DT NS 1000kw/937m,
34-13-35/118-03-57

Riverside 25 KBML-LP PG>6kw

San Bernardino 26 KVCR-DT NS 440kw/529m

San Francisco 33 KMTP-DT NS 500kw/496m,
37-45-19/122-27-06

Sacramento 14 KMMK-LP QR from ch. 62,
1.1kw, 38-37-49/120-51-20

Salinas 10 KSBW-DT AF 16.5kw/729m,
36-45-23/121-30-05

San Diego 23 KFNT-LP DE

San Diego 25 KGTV-DT PG>1000kw/205m

San Marcos 43 KSKT-CA CC from K43DM

Simi Valley 44 KSMV-LP PG<2kw (or 10.6?)

Santa Barbara 43 KTSB-LP sold to Univision

Santa Maria 35 K35ER sold to Univision

Taft 57 KNXT-LP QC from ch. 10, 8.2kw

Tulare 40 KFRE-LP SI

Colorado:

Estes Park 23 K38DM QR from ch. 38,
50kw, 38-44-41/104-51-48, closer to Colorado Springs

Gd. Junction 27 KGJT-LPLC for PG 0.72kw

Peetz 14 K14JZ NW

Rulison 26 K26FK QC from ch. 66

District of Columbia:

Washington 23 WKRP-LP QC from ch. 42, 29.8kw

Washington 35 WDCA-DT PR<500kw/254m or
232kw/274m

Delaware:

Dover 14 W14CM LC for QG from ch. 68, 3.5kw
 Seaford 38 newapp. dismissed

Florida:

Big Pine Key 47 W47AC LC for PG>53kw, 24-39-02/81-18-36
 Clearwater 26 WXAX-LP PG>150kw, 28-01-17/82-36-32
 Clermont 17 WKCF-DT NW
 Cocoa 52 WTGL-TV PR<2500kw/472m, 28-35-12/81-04-58
 Fort Pierce 8 WFPI-LP PG>3kw

Florida:

Key West 49 WKIZ-LP CC from W49AE
 Leesburg 46 WLBC-DT NS 1000kw/141m
 Marathon 65 W65AP LC for PG>18.8kw, 24-45-35/80-57-22
 Marianna 51 WBIF PG<1970kw/254m, 30-30-42/85-29-17
 Naples 2 WTIG-LP PG>3kw
 Orlando 23 WMFE-DT granted switch to directional antenna
 Tallahassee 47 WWWF-LP LC granted for PG>150kw, 30-29-32/84-17-02

Georgia:

Augusta 58 W58CZ LC for QG from W65BI, 6kw
 Chatsworth 33 WCLP-DT NS 426kw/537m

Hawaii:

Honolulu 18 KHET-DT NS 120kw/-43m
 Honolulu 33 KBFD-DT NS 108kw/-5m
 Wailuku 51 KAUI-LP FC to religion

Iowa:

Davenport 56 KWQC-DT NS 1000kw/306m, 41-18-44/90-22-46

Idaho:

Boise 31 K31FD QC from ch. 25
 Boise 35 K35GE NW, 25.6kw, 43-35-38/116-08-35, ACM-TV (or ACN?)

Illinois:

Chicago 23 WFBT-CA PG>19.6kw

Indiana:

Indianapolis 9 WISH-DTNW, 19.5kw/284m
 Marion 32 WNDY-DT NS 1000kw/271m

Kansas:

Topeka 23 KTWU-DT NS 815kw/292m

Louisiana:

Crowley 31 KAGN-LP QG from ch. 65
 Slidell 24 WUPL-DT PR<750kw

Maryland:

Annapolis 61 W61BY PG<1kw, 38-59-13/76-33-12
 Annapolis 63 W63BP PG<1kw, 38-59-13/76-33-12
 Baltimore 67 WMPB PG>309m, 39-26-50/76-46-48

Maine:

Lewiston 35 WPME drops WB
 Medway 34 W34CN LC for QG from ch. 14, 1kw
 Portland 51 WPXT FC from Fox to WB

Michigan:

Muskegon 38 WMKG-LP PG>33.8kw
 Pinconning 52 W52CU PG<0.25kw, 43-42-02/83-59-17
 Traverse C. 31 WGTU-DT NS 78kw/378m

Minnesota:

Alexandria 55 K55ID QC from ch. 24, 1.46kw
 Alexandria 65 K65HD QC from ch. 28, 1.26kw
 Alexandria 67 K67HI QC from ch. 40, 1.31kw
 Minneapolis 35 KARE-DT PG>1000kw

Mississippi:

Columbia 45 W45AA PC>14.2kw
 Jackson 27 WXMS-LP FC to UPN
 Jackson 40 WDBD FC from Fox to FCfromFoxtoWB

Mississippi:

Jackson 41 WDBD-DT, NS1000k 353m, 32-16-53/90-17-41
 Vicksburg 35 new 3 apps dismissed
 Vicksburg 35 new NS 5000kw/253m, 32-18-34/90-38-02.

Montana:

Butte 33 KTVM-DT QG from ch. 2, 3000kw, 552m
 Great Falls 8 KFBB-DT AF 3.39kw/146m
 Wolf Point 55 K55BX PR<0.91kw, 48-17-28/105-15-09

North Carolina:

Apex 34 WACN-LP QR from ch. 57, 13.3kw
 Asheville 25 WUNF-DT PR>185kw/797m
 Boone 65 W65DT XR 36-14-70/ 81-42-20
 Concord 44 WUNG-DT NW, 150kw/404m
 Durham 26 WIWW-LP PG>150kw
 Greensboro 2 WFMY-TV PR<550.8m
 Greensboro 51 WFMY-DT PR<989.2kw/569m
 Raleigh 13 WBXU-LP PG>1.04kw
 Wilson 42 WRAY-DT NS 1000kw/521m

North Dakota:

Fargo 2 KVNJ-LP PG>1.13kw, 46-51-39/96-51-17
 Fargo 15 KVRR XG 46-40-29/ 96-13-40 (correction only)
 Jamestown 7 KJRR XC 46-55-27/98-46-19 (correction only)
 Williston 11 KXMD-TV PG<100kw/291m, 48-08-45/103-53-20
 Williston 14 KXMD-DT PG>428kw/318m

Nebraska:

Columbus 48 K48FF PR>150kw
 Lincoln 27 K31DU QG dismissed
 Lincoln 51 new 4 apps. dismissed
 North Platte 11 K11TW PG>0.15kw

New Jersey:

Atlantic C. 50 WWAC-DT QG from ch. 44; PG 50kw/113m, 39.35.06/75.02.44
 Linden 47 WNJU PG dismissed
 Montclair 51 WNJN-DT NS 200kw/238m
 Secaucus 38 WWOR-DT LC 143kw/448m

New Mexico:

Cimarron 28 K28GFQC from ch. 60, 1.2kw

Datil 48 K68EG QC from ch. 68
Las Cruces 47 KMAZ-DT NS 52.5kw/131m,
32-02-30/106-27-41

Portales 14 K14KO QG from K58IW,
4.4kw, 34.15.08/103.14.21

Nevada:

Dayton 45 K13PDQR from ch. 13, 0.5kw
(or 0.15?)
Henderson 9 KVVU-DT QG from ch. 24,
PG<86kw/385m
Las Vegas 25 KTUD-LP PR>88.9kw
Las Vegas 35 KYRK-LP PG>150kw
Pahrump 44 K44AA PG>7.3kw,
35-57-25/115-29-46
Pahrump 49 K49AB PG>7.3kw,
35-57-25/115-29-46; move from
no offset to plus
Reno 41 KNRV-LP QC from ch. 55,
46.96kw, 39-18-38/119-53-01

New York:

New York See text
Utica 4 new application returned

Ohio:

Cambridge 35 WOUC-DT NS 350kw/390m
Canton 52 WIVM-LP LC, 22kw,
40-53-24/81-16-12
Chillicothe 59 W40AE QC from ch. 40, 37.6kw
Columbus 23 W23BZ LC for QG from ch.
58, 17kw, 39-53-32/83-02-44
Lima 23 W23CE QG from ch. 61, 33.93kw
Sandusky 42 WGGN-DT PR>1000kw/213m
Toledo 34 WBTL-LP QC from ch. 60,
9.9kw, 41-39-05/83-32-08
Youngstown 62 WYFX-LP PG>25kw,
41-03-24/80-38-44
Zanesville 16 W16BT LC for QG from
W36AY, 8.4kw

Oklahoma:

Norman 46 KOCM PR>2089kw/470m,
35-35-52/97-29-22
Oklahoma City 54 KXOC-LP PG<48kw,
35-35-52/97-29-22
Oklahoma City 7 KOHC-LP PG dismissed

Oregon:

Pendleton 16 KORX-CA PR>36kw, move
from no offset to plus
Portland 10 KOPB-TV PC 524m
Portland 38 KKEI-CA QC from ch. 56, 33kw
Portland 45 KNMT-DT NS 1000kw/522m

Pennsylvania:

Allentown 69 WFMZ-TV AF 152kw/225m,
aux. backup transmitter.
Chambersburg 51 W51CY PG>60kw,
39-41-47/77-30-50
Scranton 26 W26CD QG from ch. 67

Puerto Rico:

Aguadilla 17 WVEO-DT NS 50.1kw/372m
Aguadilla 69 WOLE-DT NS 120kw/639m
Caguas 11 WLII sold to Univision
Ponce 9 WSUR-TV sold to Univision

South Carolina:

Charleston 21 W21BX LC granted for QG
from W44AX, 23kw
Columbia 21 W21CA PG>1kw

Columbia 67 W67DP PG>59kw

Tennessee:

Dyersburg 33 WDYR-LP PG>12kw
Memphis 14 new app dismissed
Memphis 56 new app dismissed

Texas:

Corpus Christi 23 KEDT-DT NS 200kw/273m,
27-39-20/97-33-55
Dallas 39 KXTX-TV sold to Telemundo
El Paso 30 KCOS-DT NS 1000kw/265m
Floresville 45 K45DX sold to Univision

Texas:

Fort Worth 38 KVFW-LP QG from ch. 65,
39.6kw, 32-32-35/96-57-32
Fort Worth 52 KFWD LC for PG>545m,
32-35-19/96-58-05
Hillsboro 57 K31FA NW, 100kw,
32-35-19/96-58-06 in the Dallas antenna farm
Laredo 19 KLDO-DT NS 200kw/49m,
27-30-04/99-30-37
Laredo 39 new 2 apps dismissed
Odessa 22 KOCV-DT NS 50kw/82m,
31-51-58/102-22-48
San Antonio 28 KSAA-LP QR from ch. 19,
14.5ke, 29-26-30/98-30-23
San Antonio 67 KDWZ-LP sold to Univision
Stamford 44 KIDT-LPQR from ch. 43, 10kw

Utah:

Ogden 30 KUWB LC for PG
1486kw/1242m, 40-39-33/112-12-07

Virginia:

Charlottesville 19 new NS 3182kw/423m,
37-58-48/78-34-40
Richmond 44 WCVW-DT NS 270kw/311m

Washington:

Clarkston 42 KVBI-LPLC for QG from ch.
66, 2.61kw
Kennewick 15 KVVK-CA QC from ch. 60, 23.7kw
Seattle 44 KHCV-DT NS 240kw/714m
Soap Lake 41 K41FIQC from ch. 66
Soap Lake 46 K46FA QC from ch. 60
Spokane 36 KSKN-DT NS 250kw/579m
Walla Walla 9 KBKI PG 316kw/436m or
1.86kw/388m (not sure which), both at
45-59-23/118-10-31
Yakima 2 KKFQ-CA PR>2.9kw

Wisconsin:

Crandon 4 WBIJ PR>4.2kw
Madison 21 WHA-TV PR<870kw
Madison 47 WMSN-TV PC>5000kw/451m
Wausau 29 WAOW-DT NS 900kw/383m

Wyoming:

Teton Village 19 K14HH QR from ch. 14

CANADA:

British Columbia:

Fraser Valley 66 CHNU-TV NW, 16kw, religious
Vancouver 17 CIVI-TV-2 NW, 100kw/586m,
49-21-17/122-57-25. To relay new Victoria ch. 53 st.
Victoria 53 CIVI-TV NW, facilities unknown

Forum & Other Stuff

Thanks to Dennis Smith, Frank Aden, Chris Carter, David Sinclair, and Danny Oglethorpe for information in this month's column.

Obviously, it's impossible not to mention the tragic events in New York City, Washington, and Pennsylvania on September 11. I'm sure all our thoughts are with the victims and their families. Five of those victims were closer to our hobby than most. All of NYC's VHF TV stations (as well as WPXN-31 and WNJU-47) had their transmitters on the World Trade Center. Five transmitter engineers, on duty at the time of the attack, are missing and presumed dead.

It seems trite to mention it, but at this writing (four days after the attack) WNYW-5, WABC-7, WWOR-9, WNET-13, WPXN-31, and WNJU-47 are still dark. So are most of NYC's DTV stations. WCBS-2 has a full-power backup transmitter on the Empire State Building; it's continuing to operate at full power. WCBS's and WNYW-5's DTV transmitters are also on the Empire State, and are unaffected. WNBC-4 and WPIX-11 are reported back on the air intermittently, at rather low power. First reports were that this was from the old Armstrong FM tower in Alpine, New Jersey, but I am now hearing that these temporary antennas are on the Empire State Building as well. Temporary antennas and transmitters are on the way for all the affected stations, and they'll all be operating, at least at reduced power, by the time you read this. All of the affected stations are still broadcasting on cable and DSS satellite.

There are a number of LPTV stations and full-power stations in areas surrounding New York City. Many of them are relaying the cable signals of various affected stations. Both WNBC-4 and WABC-7 have been reported on WNYX-LP 26 in Queens. WABC has also been reported on WNYE-25 and WHSE-68, as well as the four NJN PBS stations in New Jersey. WNBC has also been intermittently reported on WMBC-63. WNYX-LP 35 has been reported with WRNN-62, an all-news station upstate in Kingston, NY. And home-shopping outlet WSAH-43 in Connecticut has temporarily ceased programming and put up a sympathy slide. I suspect most of all of this relaying will be over by the time you read this, as new temporary antennas will be on the air. However, if you saw something strange in the first few days, this might explain it.

Stations outside New York were also carrying unusual programming. Locally, WNAB-58, normally a WB affiliate, was carrying a lot of CNN live material. Saul Chernos reports channel 15 pirate Star Ray TV in Toronto was relaying ABC and Fox from the U.S.. (A hearing is scheduled for later this year about this pirate - apparently he's permitted to continue to operate until it's concluded?)

All of NYC's stations used to be on the Empire State, and reports are that there is enough room for them all to return. They left only because reflections from the taller World Trade Center were causing severe ghosting problems - while the reason is tragic, the ghosting will no longer be a problem. You should expect to see applications from all these stations to move to 40-44-54N/73-59-10W.

I do not expect the events of September 11 to have a long-term effect on the broadcast industry, of course except for the new transmitter sites. Broadcast signals did not help the attackers in any way; there is no reason to limit their technical operation. It will probably push back DTV in the New York area, as millions of dollars worth of digital transmitting equipment and antennas were destroyed. And while I'm certain the Empire State Building has enough room for everyone's analog antenna, I'm not so sure it can support digital facilities as well.

Finally... Reports are that the antenna mast actually pretty much survived the collapse of the buildings. News footage has shown it sticking out of the rubble. One report has a NYC firefighter climbing the mast and planting an American flag atop it. There have been suggestions that once the rubble is cleaned up, the mast be "planted" on the site as part of a memorial.

I'm not sure why the shortage of FCC activity this month. The Commission did close on September 11 (after issuing two FM decisions) but opened again on the 12th. I suppose vacations had a lot to do with it. The LPTV applications for channel 37 (among many others) mentioned last month have been dismissed, at the request of the applicant. Apparently they finally figured out they didn't know what they were doing.

Danny reports seeing K31FA Hillsboro, Texas carrying "TV7" Spanish music videos, and IDing as "K57IG DALLAS". They do have a permit to move to channel 57 at a site in the Dallas tower farm - apparently the call letter change fell through the cracks. K57IG seems a bit further down the list than I thought the FCC was going - the last callsign I find in the database right now is K57HY. But they seem to be pretty free with the LPTV temporary authorizations these days. Danny is also seeing new KKAP-36 Little Rock, with Daystar religion.

Dave Sinclair reports all three of the new British Columbia stations this month. CIVI-TV-2 began testing on August 22 from Mt. Seymour. Two days earlier, their primary station CIVI-TV began transmitting a 15-minute promo loop with their application history and planned programming. Then, on September 11, CHNU-TV began testing. Like CIVI, they're using a 15-minute promo loop. The ID is "NOW TV/Channel 10". (10 is their channel on cable) CIVI is to be a general-interest independent station; CHNU is religious.

Chris Carter reports the upcoming network change in Jackson. WDBD-40 going to WB will leave the market without a Fox affiliate; cable operators are trying to find an alternate source of Fox programming. I note that a new station has been authorized on channel 35 in that market. Co-owned WPXT-51 in Portland, Maine is also reported swapping from Fox to WB. Bill Draeb reports WBAY-2 is putting up their DTV antenna. As of late August, they were on a temporary side-mounted antenna while their normal antenna is replaced by a combination antenna for analog channel 2 and digital channel 23. Work was supposed to be done by September. WPNE-38 is also reported weaker than normal - my guess is they've had to reduce power for the safety of the tower workers. With WBAY on reduced power, Bill is having no trouble receiving WBBM or CHBX on channel 2. Unfortunately, the skip season is just about over.

(Locally, we've been doing the same thing at WSMV-4. No skip at all seen on 4, but some pretty intense tropo CCI. WZTV-17, side-mounted on our tower, has been on very reduced power, and I relogged W17AZ through them. WUXP-30 has also been on very reduced power for DTV antenna work; I keep seeing WLMT-30 Memphis through them, but nothing else interesting.)

One of the trade magazines recently had a very brief mention of a new network being launched by Univision. It will be a Spanish-language network, but that's all I know about it. I suppose it will serve as a source of programming for Univision's new second stations in the larger markets like New York, Chicago, and Los Angeles. I note that Univision has also been buying some LPTVs in cities where they already have a full-power station. (San Antonio, Phoenix) Chances are these LPTVs will also carry the new network. More details when available.

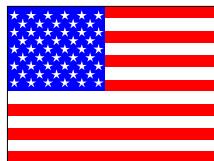
Here's hoping October goes down in memory for great DX, and not for what September will be remembered for. Good DX!

METEOR SHOWER DATES

SHOWER	RUNNING DATES	PEAK
Draconids	October 6-10	Oct 9-10
Northern Piscids	October 5-16	Oct 12-13
Epsilon Geminids	October 10-27	Oct 18-19
Orionids	October 15-29	Oct 20
Northern Taurids	October 12-Dec 2	Nov 4-7

Most of the information appearing in this column is courtesy of:
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KEY TO ABBREVIATIONS:	GX: granted replacement of expired permit LC: license to cover filed (means station is ready to come on air) MC: multiple-city legal ID NC: no change yet on a reported change/permit ND: non-directional antenna NO: not on the air NS: new station granted NW: new station signs on OSA: one-step application granted for change PA: proposed amendment to change FM table of allocation PC: power change on the air (">" for increase, "<" for decrease, when known)	Ital. Calls: LPFM station PG: power change granted (">" for increase, "<" for decrease, when known) QC: frequency change occurred QG: frequency change granted RA: silent station returns to air RE: station requests extension on permit RX: station requests replacement of expired permit SG: slogan change or update SI: station is silent XA: dismissed amendment to FM allocations XC: transmitter site change occurred XG: transmitter site change granted



UNITED STATES

ALABAMA:

Athens: WZYP 104.3 adds Ace & TJ
 Citronelle: WQUA 102.1 FC to southern gospel
 Decatur: WRSA 96.9 FC to easy listening
 Greensboro: WDGM 99.1 PG 3.2 kW, 623 ft.
 Montgomery: WBAM 98.9 PG> 100 kW, C1, 981', XG: 31-58-5 / 86-13-1
 Ozark: WOAB 104.9 PC> 6 kW
 Selma: WBFZ 105.3 FC to urban contemporary, LC
 Smiths: WBFA 101.3 adds Rick Dees
 Talladega: WSSY 97.5 FC to oldies
 Tallassee: WACQ 99.9 PG> 4.3 kW, 390 ft, XG: 32-35-22 / 85-46-12

ALASKA:

Anchorage: KFAT 92.9 adds The-Man (from KUBE Seattle)
 Anchroage: KNIK 105.3 PC< 14 kW, 1070' XC: 61-20-11 / 149-30-48
 Fairbanks: KIAK 102.5 PG> 100 kW, 571 ft, XG: 64-54-55 / 147-38-52

Fairbanks: KKED 104.7 PC> 50 kW, C1, 571 ft, XG: 64-54-55 / 147-38-52
 Fairbanks: KYSC 96.9 CC (NS)
 Juneau: KBJZ 94.1 CC (NS-LP)

ARIZONA:

Benson: KAVV 97.7 inc. to 299', XG: 31-54-24 / 110-27-8
 Clifton: KWRQ 102.1 PG> 4.3 kW, 2264 ft.
 Dolan Sps: KOAS 105.3 PC> 98 kW, QC from 102.7, 1985', CL from Bullhead City, XG: 35-39-7 / 114-18-42, CC (ex KBYE), RA with smooth jazz "The Oasis" (Las Vegas)
 Eagar: KTHQ 92.5 PG> 100 kW, C, 1201 ft.
 Flagstaff: KPUB 91.7 CC (ex KNAQ), FC to news-talk & classical
 Green Valley: KWFM 97.1 PG> 1.2 kW, 732 ft., class A, XG: 31-58-37 / 111-6-14
 Hotevilla: KUYI 88.1 NW, variety
 Oro Valley: KCMT 101.9 PC> 100 kW, class C1
 Prescott: KNAQ 89.3 CC (ex KPUB)
 St. John's: KWKM 95.7 dec. to 1193 ft.
 Tuscon: KZPT 104.1 inc. to 328 ft.
 Tuscon: KHYT 107.5 adds Bon & Tom

ARKANSAS:

Beebe: KBGR 101.5 CC (ex KPIK) FC to country (&) "Big Country 101.5"
Conway: KUCA 91.3 FC to hot AC // KCON (&) (Covering ads with PSAs)
Fayetteville: KUAF 91.3 PC> 100 kW, DA, class C, 1089', XC: 35-51-12 / 94-1-32
Hampton: KBPW 88.1 LC
Mena: KENA 102.1 PG< 12.5 kW, 469' XG: 34-32-42 / 94-18-21
Stamps: KLMZ 104.3 NW, WW1 a/c (&)
Village Hot Springs: KVRE 92.9 PG> 25 kW, C3, 315', DA
Waldron: KRWA 103.1 PC> 50 kW, C2, 305'

CALIFORNIA:

Apple Valley: K210DL 89.9 NS-10w: KEFX
Arcata: KHSU 90.5 PG< 8.5 kW, 1506', XG: 40-43-37 / 123-58-22
Atwater: KJMQ 92.5 XC: 37-16-41 / 120-37-35
Barstow: KXXZ 95.9 FC to rhythmic oldies
Beaumont: KAEH 100.9 FC to reg. Mexican
Calistoga: KXST 100.9 CC (ex KGRP), FC to Spanish (Santa Rosa) "Exitos 100.9"
Clovis: KZFO 92.1 CL from Madera, CA, class B, PC> 36.9 kW, 568', XC: 37-7-40 / 119-40-38
Delano: KDNO 98.5 SG "The Fox"
Dos Palos: KDPT 102.9 CC (NS-LP)
Georgetown: KFOK 95.1 CC (NS-LP)
Healdsburg: KSXY 95.9 adds Rick Dees
Hollister: KHRI 90.7 NW, Air One cont. Christian
Johannesburg: KRAJ 100.9 PC> 1.5 kW, B1, 1319'
June Lake: KWTM 90.9 CC (ex KIHS)
Kerman: KOKO 94.3 FC to rhythmic oldies / rhythmic CHR mix (Fresno) "Killer Oldies 94" (Fresno)
King City: KHDV 93.9 CC (ex KZSL)
Lemoore: KGAR 93.3 CC (NS-LP)
Los Angeles: KHHT 92.3 CC (ex KCMG), FC to urban AC "Hot 92.3"
Lucerne: KPFZ 104.5 CC (NS-LP)
Ludlow: KDUQ 102.5 QC from 105.7
Madera: KCCL 101.9 CL from Shingle Springs, CA
Mecca: KRCK 97.7 NW, 80's hits (P.Springs)
Needles: KNKK 107.1 PG< 2190 w.
Orange Cove: KMAK 100.3 new format coming
Oroville: K216FN 91.1 NS-10w: KCZO-TX
Oroville: KRBS 107.1 CC (NS-LP)
Red Bluff: KRBH 107.7 CC (NS-LP)
Redlands: KUOR 89.1 FC to jazz // KLON
San Diego: KIFM 98.1 PC< 26.5 kW, 686 ft XC: 32-50-17 / 117-14-57
San Diego: KIOZ 105.3 PG< 23.5 kW, 715', XG: 32-50-21 / 117-14-57
San Diego: KYXY 96.5 PG< 26.5 kW, 686', XG: 32-50-17 / 117-14-57
San Francisco: KQED 88.5 XC: 37-41-23 / 122-26-13
San Luis Obispo: KLFF 89.3 SG "K-Life"
Santa Ana: KWIZ 96.7 FC to Spanish hits
Santa Maria: KXFM 99.1 FC to classic rock
Santa Ynez: KRAZ 105.9 NW, country
Shafta: KCOO 104.3 FC to oldies

Shafter: KSMJ 97.7 PC> 4.1 kW, 397 ft, DA, XC: 35-27-33 / 119-1-16

Shasta City: KISK 107.1 CC (e KESR) "Star 107.1"
Shasta City: KNND 99.3 PC 1.6 kW, class C2, 1526 ft, XC: 40-39-15 / 122-31-12
Shingletown: KKXS 96.1 CC (ex KBHX), NW, CD Country (&) "Kicks 96"
Temecula: KGBB, 103.3 NW, classic rock // KGB CC (ex KFXM)
Tracy: KYKL 90.7 CC (NS)
Turlock: KEFC 100.5 CC (NS-LP)
Valley Springs: KWLK 103.7 CC (NS-LP)
Weaverville: KHRD103.1 CC (ex KAWX), FC to rock "Red 103.1" (Redding)

COLORADO:

Alamosa: KASF 90.9 PC> 1.1 kW, 89 ft.
Delta: KPRU 103.3 PC> 14.5 kW, 919 ft, XC: 38-52-39 / 108-13-38
Julesburg: KKAS 96.5 CC (ex KEGK)

CONNECTICUT:

Guilford: WGRS 91.5 PG> 6 kW, 164', DA
Hamden: WKCI 101.3 PG< 11 kW, 965 ft, XG: 41-26-3 / 77-56-48

DELAWARE:

Rehoboth Bch: WGMD 92.7 PC> 4.5 kW, 308 ft, XC: 38-42-15 / 75-12-0

FLORIDA:

Clermont: WLAZ 88.7 PG< 5.5 kW, class C3, 384', XG: 28-38-56 / 81-43-56
Clewiston: WJCB 88.5 CC (NS)
Crystal River: WHGN 91.9 PG> 41 kW, C2, 482', DA, XC: 28-50-29 / 82-30-21
Florida City: WMFL 88.5 PG< 500w, class A, 302 ft, XG: 25-24-27 / 80-31-19
Homosassa Springs: WXCV 95.3 PG< 2.8 kW, 482 ft, DA, XG: 28-46-40 / 82-28-04
Jupiter: WJBW 106.3 FC to 45+ soft AC
Key Largo: WZMQ 106.3 CC (ex WRAU)
Key Largo: WGES 90.9 CC (NS)
Key West: WMFM 107.9 CC (ex WRLA)
Miami: WEDR 99.1 XC: 25-58-3 / 80-12-34
Murdock: WHHD 98.9 LC
Orlando: WSHE 100.3 inc. to 1499', XG: 28-34-51 / 81-4-32
Pt. Charlotte: WVIJ 91.7 PG< 638w, 207', XG: 26-58-50 / 82-4-4
St. Petersburg: WFJO 101.5 PC> 100 kW, 1112 ft, XC: 27-49-10 / 82-15-39
Sebring: WWLL 105.7 adds ABC clas. rock (&)

GEORGIA:

Atlanta: WCLK 91.9 PC> 6 kW, 308', DA
Bowdon: WYAI 105.5 PG> 61 kW, 1204', C1, XC: 33-24-41 / 84-49-47
Chauncey: WQIL 101.3 PC> 50 kW, 492 ft, XC: 32-22-59 / 83-7-8
Cuthbert: WMRZ 100.7 NW, WW1 standards (&)
Frogtown: WFNG 100.5 CC (NS-LP)
Ft. Valley: WLVN 97.1 CC (NS-LP)
Hazlehurst: WVOH 93.5 PC< 25 kW, C3
Hinesville: WSKX 92.3 adds Bob & Sheri
Homerville: WBTY 105.5 PC> 6 kW
Mableton: WAMJ 102.5 CC (ex WAWE), FC to smooth jazz // WJZZ-FM (Atlanta)

Macon: WDEN 99.1 PC> 100 kW, 581 ft, XC: 32-45-51 / 83-33-32
 Montezuma: WEGF 95.1 LC
 Rome: WQTU 102.3 FC to CHR "Q102"
 Roswell: WJZZ 107.5 CC (ex WAMJ), "Smooth Jazz 107.5" (Atlanta)
 St. Simons Is: WWEZ 94.7 CC (NS-LP)
 Sylvester: WWSG 102.1 dec. to 259', DA, XC: 31-31-40 / 83-50-22
 Trenton: WSDA 98.7 CC (NS-LP)
 Unadilla: WCOP 99.9 CC (ex WAFI), "Middle Georgia's Christian Music FM"
 Waycross: WASW 91.9 PC> 1950w

HAWAII:

Honolulu: KTUH 90.3 PC> 3 kW, -82 ft.

IDAHO:

McCall: KSXZ 106.7 CC (NS)
 McCall: KDZY 98.3 NW, country // KSRV
 Sun Valley: KECH 95.3 PG> 16 kW, C1, 1909 ft, XG: 43-38-36 / 114-23-49

ILLINOIS:

Bartonville: WIXO 99.9 FC to rock
 Carthage: WCEZ 93.9 NW, standards // KOKX
 Chicago: WFMT 98.7 PC< 6 kW, 1542 ft, XC: 41-52-44 / 87-38-8
 Chillicothe: WCNL 94.3 FC to modern AC "The Point" (Peoria)
 Eureka: WEUR 103.1 CC (NS-LP)
 Fairbury: WJHV 95.1 CC (NS-LP)
 Farmington: WJPL 96.5 FC to modern AC "The Point" // WCNL 94.3 (Peoria)
 Galatia: WISH 98.9 NW, WW1 a/c (&)
 Galesburg: WVCL 95.7 CC (NS-LP)
 Hillsboro: WXAJ 99.7 FC to CHR (Springfield)
 Joliet: WCSF 88.7 FC to modern rock
 Lexington: WDQZ 99.5 CC (ex WMOS, WCSO)
 McLean: WDQZ 99.5 NW, classic hits // WDQX
 Macomb: WTND 106.3 CC (NS-LP)
 Mt. Vernon: WVSI 88.9 NW, info & classical // WSIU
 Ramsey: WTRH 93.3 XC CP for 3 kW, 466', moot
 Rockford: WQFL 100.9 PC< 2.7 kW, 489 ft, DA, XC: 42-19-20 / 89-0-41
 Springfield: WLJU 89.7 PC> 20 kW, DA

INDIANA:

Covington: WKZS 103.1 FC to CD Country (&)
 Delphi: WXXB 102.9 PC> 2750w, 489 ft, XC: 40-30-12 / 86-43-30
 Hanna: WHLP 89.9 CC (NS)
 Huntington: WEXI 102.9 FC to hot AC (Ft. Wayne)
 Indianapolis: WICR 88.7 dec. to 915', XC: 39-53-58 / 86-12-2
 Kentland: WIVR 101.7 CC (ex WLRT), NW, country "River Country 101.7", PC> 3.2 kW, 453', XC: 40-51-52 / 87-35-14
 Lebanon: WIRE 91.1 PC> 3.2 kW (v), 220 ft, DA, XC: 40-3-48 / 86-26-36
 Marion: WCWC 94.3 CC (NS-LP)
 Mitchell: WMBL 88.1 CC (NS)
 Oolitic: *NS 88.9 10 kW
 South Bend: WNDV 92.9 PC> 20 kW (h), 495'
 South Bend: WSBL 98.1 CC (NS-LP)
 Terre Haute: WAPC 91.9 XC: 39-28-5 / 87-23-55

Valparaiso: WVLP 98.3 CC (NS-LP)
 Vincennes: WVUB 91.1 FC to hot AC & CHR

IOWA:

Castana: KMAP 107.5 PG 25 kW, class C3, 328 ft, DA
 Cedar Rapids: KZIA 102.9 inc. to 942 ft.
 Madrid: KLRX 96.1 FC to ESPN sports (&)
 Osage City: KWMM 98.7 FC to CHR "98.7 Kiss" adds Rick Dees AM (Mason City)
 Waukon: KNEI 103.5 PC> 37 kW
 Webster City: KQWC 95.7 adds ABC AC (&)

KANSAS:

Arkansas City: KYQQ 106.5 adds Steve & DC
 Belle Plaine: KANR 92.7 FC to modern rock
 Herington: KIRL 105.7 reported SI, to RA with cont. Christian in August CC (ex KDMM)
 Ingalls: KBGU 96.3 FC to Jones a/c (&)
 Lyons: KPIO 99.3 CC (NS-LP)
 Ottawa: KCHZ 95.7 PC< 98 kW, ND
 St. Mary's: KSMK 98.3 CC (NS-LP)
 Thayer: KTHA 100.5 CC (NS-LP)

KENTUCKY:

Beattyville: WLJC 102.1 PG> 1540w, 656', XG: 37-36-50 / 83-40-23
 Bowling Green: WBVR 96.7 PG > 48 kW, C2, 410'
 Campbellsville: WAPD 91.7 PC> 330w, 197 ft, XC: 37-18-58 / 85-19-53
 Carlisle: WSTL 92.1 reported SI
 Elizabethtown: WQXE 98.3 PC< 8.5 kW, 531 feet, XC: 37-43-18 / 86-2-10
 Fort Knox: WLVK 105.5 PC< 3.2 kW, 456 ft.
 Hardinsburg: WXBC 104.3 PC< 2.3 kW, 377 ft.
 Harlan: WTUK 105.1 PC> 530w
 Hazard: WEKH 90.9 PG> 35 kW< 1066', XG: 37-11-35 / 83-11-17
 LeRose: WOCS 88.3 FC to info & variety
 London: WYGE 92.3 PC< 5.2 kW, C3
 Pikeville: WDHR 93.3 PG> 22 kW, 758 ft.
 Stanford: WXYK 96.3 CC (ex WRSI)

LOUISIANA:

Alexandria: KCJM 107.9 CC (NS-LP)
 Alexandria: KFAD 93.9 FC to oldies
 Baker: WJNH 107.3 CC (ex WTGE), FC to urban contemporary (Baton Rouge) "Jammin 107.3"
 Bastrop: KURC 95.7 CC (NS-LP)
 Baton Rouge: WFMF 102.5 adds Kidd Kraddick from KHKS 106.1 Dallas
 Benton: KSYR 92.1 CC (ex KLKL), FC to modern rock "The Buzz"
 Bunkie: KEZP 104.3 PG> 39 kW, C2, 371 ft, XG: 31-9-7 / 92-24-37
 Donaldsonville: KNXX 104.9 PC< 3 kW, 479 ft.
 Empire: KNOU 104.5 CC (ex KBIL), "U 104.5"
 Gibsland: KBEF 104.5 NW, Salem cont. Christian (&) (Shreveport)
 Houma: KFXN 104.1 CC (ex KUMX), FC to classic hits (New Orleans) "The Fox"
 Jackson: WZRB 104.5 CC (ex WUXN), FC to urban a/c (Baton Rouge) (simulcast KNXX is still modern rock)
 Jonesville: KTYX 105.1 PG 6 kW, 331 ft, XG: 31-36-21 / 91-50-6
 Lafayette: KSMB 94.5 dec. to 1079 ft.

Lake Charles: KZWA 105.3 QG to 104.9, PG< 25 kW, 328', ND, CL: Moss Bluff, LA, XG: 30-27-15 / 93-8-20
 Lake Charles: KYLC 90.3 LC
 Mansfield: KEPT 106.1 CC (NS-LP)
 Minden: KLKL 95.7 CC (ex KSYR) "Oldies 95.7" (Shreveport)

MAINE:

Boothbay Hbr: WCME 96.7 FC to talk (Portland)
 Fairfield: WCTB 93.5 FC to country "C93"
 Orono: WMEB 91.9 PC> 600w, 171 ft, XC: 44-55-8 / 68-40-0
 Rockland: WRFR 93.3 CC (NS-LP)
 Skowhegan: WHQO 107.9 FC to talk (Augusta)

MARYLAND:

Lexington Park: WMDM 97.7 RA with oldies
 Westminster: WZBA 100.7 PC> 27 kW, 660 ft, DA, XC: 39-27-1 / 76-46-37

MASSACHUSETTS:

Marshfield: WATD 95.9 PC> 1.6 kW, XC: 42-6-39 / 70-42-17
 Walpole: WSRB 91.5 reported SI (Walpole Schools returned license to the FCC)
 Woods Hole: WCAI 90.1 PC< 1.3 kW, 249 ft, DA, XC: 41-26-16 / 70-36-51

WCMM 94_{DOT}7 FM

MICHIGAN:

Allgean: WZUU 92.3 drops Bob & Tom, FC to rock (Kalamazoo)
 Bear Lake: WCUZ 100.1 CC (ex WSRQ)
 Beulah: WOUF 92.1 PG> 50 kW, C2, 492 ft, XG: 44-20-48 / 86-13-4
 Cadillac: WJZQ 92.9 FC to Jones smooth jazz (& "The Breeze")
 Detroit: WDVD 96.3 FC to modern AC, PG< 18 kW, 764', XG: 42-28-16 / 83-12-3
 Detroit: WMGC 105.1 FC to a/c, "Magic 105.1"
 Frankenmuth: WZRZ 93.7 LC
 Gladstone: WGKL 105.5 PC> 10 kW, C3
 Gulliver: WCMM 102.5 XC: 45-58-1 / 86-29-18
 Hancock: WKMJ 93.5 CC (ex WMPL), FC to Jones hot AC (&)
 Harrisville: WJOJ 89.7 LC
 Hart: WCXT 105.3 PG< 28 kW, C1, 659', XG: 43-40-34 / 86-14-20
 Jackson: WTRJ 95.9 CC (NS-LP)
 Kingsford: WEUL 98.1 PC> 1 kW, 466 ft.
 Mackinaw City: *NS 90.9 300w, 246 ft,
 Mt. Pleasant: WMHW 91.5 PC> 13 kW (v), class C3, 459 ft, DA
 Muskegon: WMMT 106.1 CC (NS-LP)
 Negaunee: WNGE 99.5 NW, talk and sports // WDMJ
 Ontonagon: WUPY 101.1 FC to country
 Pinconning: WSAG 104.1 CC (NS)
 White Star: WEJC 88.3 NW, cont. Christian // WLGH

MINNESOTA:

Lake City: KLCH 94.9 CC (NS)
 Moose Lake: KBFH 106.9 QC from 107.1, dec. -52'
 Park Rapids: KXKK 92.7 PC< 7.7 kW, 584', XC: 46-55-51 / 95-0-27
 Sherburn: KSMP 92.3 CC (NS-LP)
 Sunburg: KLFN 106.5 PG 4.9 kW, 364 ft, XG: 45-22-25 / 95-8-23

MISSISSIPPI:

Brandon: WRJH 97.7 inc. to 308', XG: 32-9-55 / 89-58-53
 Houston: WGWT 103.7 CC (NS-LP)
 Jackson: WMSI 102.9 in. to 1886', XC: 32-12-49 / 90-22-56
 Jackson: WDBT 95.5 inc. to 1115', XC: 32-14-26 / 90-24-15
 Tchula: WGNG 106.3 PG< 7.1 kW, 499', ND
 Vicksburg: WSTZ 106.7 PC< 85 kW, 1886 ft, XC: 32-12-49 / 90-22-56
 West Point: WKBB 100.9 PC> 6 kW
 Yazoo City: WMGO 93.1 XC: 32-49-20 / 90-16-46

MISSOURI:

Dixon: *NS 92.1 6 kW, 328 ft.
 Kansas City: KSRC 102.1 inc. 1119', XG: 39-5-26 / 94-28-18
 Kansas City: KCMO 94.9 inc. 1120', XG: 39-5-26 / 94-28-18, class C0
 Lebanon: KCLQ 107.9 PC< 19 kW, ND, 669 ft, XC: 37-48-11 / 92-33-1
 Otterville: KOTT 107.7 FC to cont. Christian
 Shell Knob: KQMO 97.7 adds talk
 St. Louis: KWMU 90.7 dec. to 953 ft, class C1
 Van Buren: KBIY 91.3 NW, religion & so. Gospel // KNLG
 Warrensburg: KTBG 90.9 CC (ex KCMW) "The Bridge" FC to adult alternative (Kansas City)

MONTANA:

Baker: KJHM 100.5 NW, classic rock
 Belgrade: KCMM 99.1 NW, Way FM cont. Christian (&)
 Cascade: KIKF 104.9 CC (NS)
 Colstrip: KCMJ 99.5 NW, relig. Teaching // KXEI
 Dutton: KVVR 97.9 NW, Jones a/c (&)
 Great Falls: KINX 107.3 CC (NS)
 Laurel: KRSQ 101.9 QC from 101.7, dec. to 367 ft, XC: 45-45-48 / 108-27-20
 Red Lodge: KMXE 99.3 PG> 14 kW, C1, 1145 ft, XG: 45-11-40 / 109-20-31
 Superior: KREO 107.5 NW, standards // KLCY

NEBRASKA:

Aurora: KRGY 97.3 CC (ex KLRB)
 Broken Bow: KBBN 98.3 PG> 25 kW, class C3, 312'
 Imperial: KURK 102.9 CC (NS)
 Lincoln: KIBZ 106.3 PC> 100 kW, C1, 702 ft, XC: 40-43-40 / 96-36-50
 Norfolk: KNEN 94.7 FC to a/c
 Omaha: KVSS 88.9 PG> 2750w, 331', DA
 Ralston: KMLV 88.1 NW, K-Love cont. Christian (&)

NEVADA:

Carlin: KHIX 96.7 LC
 Elko: KLKO 93.7 FC to rock
 Henderson: KVGS-1 107.9 NS-78w

Henderson: KBYE-1 105.7 NS-78w
 Incline Vil: KRNO 106.9 PC< 35 kW, 2989 ft, CL
 from Reno, NV Laughlin: KVGS 107.9 RA
 with urban "V 108"
 Mesquite: KVEG 97.5 FC to rhythmic CHR
 Pahrump: KNYE 95.1 inc. to -93 ft.
 Wendover: KOAS 102.3 CC (ex KDMK), LC
 Sun Valley: KWYL 93.7 CC (ex KGVN), FC to
 rhythmic CHR (Reno), "Wild 93.7"

NEW HAMPSHIRE:

Center Conway: WVRM 106.5 CC (NS-LP)

NEW JERSEY:

Cape May: WSAX 102.3 FC to standards (&) //
 WMID (Atlantic City)

NEW MEXICO:

Corrales: KSYU 95.1 adds Kidd Kraddick AMs
 Raton: KBKZ 96.5 NW, CD Country (&)
 Reserve: KNMA 104.5 NW, country
 Roswell: KWFL 99.5 PC> 6.1 kW, C3, 459'

NEW YORK: Ballston Spa: WKKF 102.3 adds

Woody & Jim
 Bridgehampton: WBAZ 102.5 "The Light On
 The Bays"
 DeRuyter: WXBB 105.1 CC (ex WVOA), FC to
 country // WBBS (Syracuse)
 Elmira: WCIH 90.3 PC< 4 kW, 527 ft.
 Glens Falls: WCQL 95.9 PC> 410w, 863 ft.
 Hornell: WKPQ 105.3 FC to Jones hot AC (&)
 Liberty: WVOS 95.9 FC to a/c
 Mexico: WVOA 103.9 FC to religion & variety
 Montauk: WMOS 104.7 CC (ex WCSO), FC to
 classic hits (Riverhead) "The New Classic
 Hits 104.7"
 New York: WTJM 105.1 FC to urban AC
 Riverhead: W214BF 90.7 NS on air // WMHR
 102.9 Syracuse (10w)
 Rochester: WCMF 96.5 adds Opie & Anthony
 drivetime
 Southampton: WCSO 92.9 CC (NS)
 Southold: WBEA 101.7 "Beach Radio
 101.7"
 Utica: WKVU 100.7 CC (ex WVVC), FC to K-
 Love cont. Christian (&)

NORTH CAROLINA:

Bayboro: WRUP 97.9 LC
 Biltmore Forest: *NS 96.5 1850w, 1171', DA
 Chapel Hill: WUNC 91.5 FC to news-talk
 Cullowhee: WWCU 90.5 PG< 240w, 948 ft, DA,
 XG: 35-26-23 / 83-7-11
 Manteo: WUND 88.9 50 kW, U of NC, CC (NS)
 Norlina: WJIJ 94.3 CC (ex WBDS)
 Rocky Mount: WTRG 100.7 adds John Boy & Billy
 Rocky Mount: WRQM 90.9 FC to news-talk //
 WUNC 91.5
 Wilson: WRDU 106.1 adds Bob & Tom

NORTH DAKOTA:

Harwood: KGBZ 100.7 NW, 80's hits, CC (ex
 KRKH)

OHIO:

Akron: WAKS 96.5 CC (ex WKDD), FC to CHR
 "Kiss 96.5"
 Akron: WONE 97.5 XC: 41-3-53 / 81-34-59
 Bainbridge: WKHR 91.5 PG< 750w, 463 ft, XG: 41-
 27-49 / 81-17-38
 Canton: WKDD 98.1 CC (ex WHK) FC to hot AC
 Circleville: WAZU 107.1 adds talk (Columbus)
 Cleveland: WFHM 95.5 CC (ex WCLV), FC to cont.
 Christian, "The Fish"

Cleveland Hts: WXTM 92.3 adds talk (PM drive)
 (Opie & Anthony)

Columbus: WBNS 97.1 FC to hot AC

Dayton: WTUE 104.7 adds Bob & Tom

OHIO:

Delaware: WODB 107.9 FC to oldies "B 107.9" CC
 (ex WXST)

Fort Shawnee: WBUK 107.5 PG<1340w, 495 ft.
 Lima: WIMT 102.1 PG> 13 kW, 528', XG: 40-
 39-50 / 84-5-7

Lorain: WCLV 104.9 CC (ex WAKS), FC to
 classical (Cleveland), PC> 6 kW, 328 ft,
 XC: 41-28-32 / 81-59-24

N. Kingsville: WFXJ 107.5 CC (ex WCUZ)

St. Mary's: WMLX 103.3 PG> 2.5 kW, 512 ft.

Springfield: WING 102.9 FC to urban "Hot 102.9"

OKLAHOMA:

Altus: KOCU 90.1 CC (NS)

Bartlesville: KYFM 100.1 class C2, PC> 25 kW, 696
 ft, XC: 36-37-42 / 96-11-26

Chelsea: KTFR 100.7 LC

Dickson: KTRX 92.7 NW, classic rock

Duncan: KKEN 97.1 PC> 6 kW, XC: 34-30-43 /
 97-58-04

Enid: KLGB 94.3 CC (NS-LP)

Enid: KUAL 104.7 CC (NS-LP)

Grandfield: KWKL 89.9 CC (NS)

Healdton: KNOR 97.7 PC> 25 kW, 328 ft, XC: 34-21-
 00 / 97-27-35m CL from Paul's Valley, OK

Healdton: KICM 93.7 PG< 14 kW, C1, 981', CL:
 Krum, TX, XG: 33-26-13 / 97-29-5

Hennessey: KCOC 97.7 CC (NS-LP)

McAlester: KJRM 93.3 CC (NS-LP)

Ponca City: KIXR 104.7 FC to hot AC, PC> 6 kW

OREGON:

Baker City: KKBC 93.5 FC to oldies

Bend: KQAK 105.7 XC: 44-4-40 / 121-19-49

Burns: *NS 90.9 130w, 860 ft, DA

Eugene: KKTT 97.9 FC to modern rock // KNRQ

Lincoln City: KCRF 96.7 PC> 19.5 kW, C1, 873 ft,
 XC: 44-45-23 / 124-2-57

Redmond: *NS 88.5 250w, 2188 ft U of Oregon

Tillamook: KJUN 104.1 FC to cont. Christian (in the
 fall, (w/new facilts to move to Portland market)

PENNSYLVANIA:

Easton: WODE 99.9 FC to classic hits

Erie: WLKK 102.3 CC (ex WJET)

Greenville: WEXC 107.1 FC to cont. Christian

Harrisburg: WWKL 99.3 FC to CHR "99.3 Kiss FM"

Jersey Shore: WVRT 97.7 QG to Mill Hill, PA

McConnelsburg: WEEO 103.7 adds Bob & Tom

Palmyra: WWKL 92.1 reported SI, CC (ex WNCE)

Patton: WBRX 94.3 QC from 94.7, PC> 2.1 kW,
 548 ft, XC: 40-39-17 / 78-40-34

Pen Argyl: WWPJ 89.5 NW, classical // WWFM
 89.1 Trenton

Pittsburgh: WJJJ 104.7 PC< 13 kW, 827', ND,
 XC: 40-28-20 / 79-59-41

Philadelphia: WMWX 95.7 CC (ex WEJM) "Mix 95.7"

Starview: WHBO 92.7 CC (ex WEGK), FC to
 oldies (York), "Big 92.7"

Trout Run: WCIT 90.1 LC
Uniontown: WPKL 99.3 CC (ex WPQR), FC to ABC oldies (&) (Pittsburgh)

Freeport: KJOJ 103.3 FC to regional Mexican "La Raza" (Houseon)
Galveston: KQBU 106.5CC (ex KQQK), FC to regional Mexican (Houston)

TEXAS:

Galveston: KLTO 104.9 PG> 6 kW, QG to 105.3, 180', CL: Crystal Beach, TX, XG: 29-30-7 / 94-31-15
Haltom City: KKMR 93.3 dec. to 394', DA, XC: 32-46-44 / 96-55-22
Hemphill: KTHP 103.9 PG 4.5 kW, 377', XG: 31-25-24 / 93-50-30
Hillsboro: KBRQ 102.5 DA, XC: 31-49-23 / 97-9-35
Howe: KHYI 95.3 PG> 19 kW, C2, 804 ft, XG: 33-27-52 / 96-47-9
Idalou: KRBL 105.7 dec. to 328 ft.
Kerrville: KRNH 92.3 PC> 50 kW, DA
Kerrville: K213DT 90.5 NS-40w, DA: KAWZ
Leander: KHHL 98.9 PG 40 kW, C2, 406 ft, XG: 30-23-26 / 97-50-13
Markham: KQZX 91.3 CC (NS)
Odessa: KHKX 99.1 RA, country "Kick 99.1"
Odessa: KFLB 90.5 CC (ex KENT) "Family Life Radio"
Pittsburg: KSCN 96.9 PC> 14 kW, 371', C3
Port Arthur: KTJM 98.5 FC to regional Mexican // KJOJ 103.3 (Houston)
Port Arthur: KOVE 93.3 CC (ex KQBU), FC to regional Mexican (Houston)
Rosenberg: KOVA 104.9 PG> 2.7 kW, 981 ft, C2, XG: 29-45-30 / 95-22-03, CL: Missouri City, TX, FC to Spanish CHR // KRTX-FM
San Antonio: KTFM 102.7 FC coming soon
Silsbee: KLOI 101.7 FC to country // KAYD
Tahoka: KMMX 100.3 adds Kidd Kraddick
Terrell Hills: KCJZ 106.7 FC to rhythmic CHR
Texarkana: KTAL 98.1 FC to classic rock
Tyler: K231AL 94.1 NS-250w: KCZO 92.1
Uvalde: KBNU 93.7 QG to 93.9, class C3, PG> 25 kW

UTAH:

Blanding: KBDX 92.1 NW, ABC oldies (&)
Cedar City: KXFF 92.5 CC (ex KCIN), FC to oldies "The Fox"
Provo: KFVR-1 103.9 NS-1.4 kW
St. George: KOEZ 105.1 CC (NS-LP)
St. George: KWBR 105.7 CC (NS-LP)
Smithfield: KGNT 103.9CC (ex KBET) "The Giant"

VERMONT:

Addison: WXAL 93.7 PC> 25 kW, C3, DA, CC (ex WRRO)
Bellows Falls: WZSH 107.1 FC to WW1 ac (&) // WSSH
White River Jct: WSSH 95.3 FC to WW1 a/c (&), CC (ex WWSH)

VIRGINIA:

Alberta: WSMY 103.1 CC (ex WAQD), FC to black gospel (&)
Buena Vista: WREL 96.7 PG< 2 kW, B1, 1135', DA, XG: 37-43-37 / 79-18-25
Chase City: WFXQ 99.9 FC to Jones country // WSHV

RHODE ISLAND:

Block Island: WCRI 95.9 PC> 6 kW (h), 249 ft, XC: 41-10-28 / 71-34-20

Block Island: WADK 99.3 PC> 6 kW, 256', XC: 41-10-28 / 71-34-20

Newport: WXHQ 105.9 CC (NS-LP)

SOUTH CAROLINA:

Greenwood: WPEK 96.7 PG< 700w, DA, 965', CL: Mauldin, SC, XG: 34-55-16 / 82-24-5

Ladson: WJNI 106.3 PC> 6 kW, DA

Marion: WFZF 100.5 FC to CHR "Z100"

S.Congaree: WFMV 95.3 PC> 6 kW, DA

SOUTH DAKOTA:

Flandreau: KKHG 107.9 CC (ex KSOB), FC to country

Mitchell: KQRN 107.3 adds ABC hot AC (&)

Mitchell: KMIT 105.9 inc. to 653', XG: 43-44-16 / 98-14-39

Wessington Sps: KUQL 98.3 CC (ex KGGK) "Cool 98"

TENNESSEE:

Germantown: WYYL 107.5 FC to rhythmic CHR "Wild 107.5" (Memphis) CC (ex WKSL)

Harriman: WUFX 92.7 FC to so. Gospel

Huntington: WVHR 100.9 FC to Jones classic country (&)

Lafayette: WLCT 102.1 PC> 6 kW

Livingston: WLQK 95.9 CC (ex WUSV), FC to a/c

McKenzie: WAJJ 89.3 NW, cont. Christian // WAAJ

Memphis: WKNO 91.1 inc. 574', XC: 35-9-14 / 89-49-19

Murfreesboro: WMAK 96.3 PG< 38.5 kW, 1417', DA



TEXAS:

Abilene: KEYJ 107.9 inc. to 886', XG: 32-16-35 / 99-35-38

Abilene: KEAN 105.1 inc. to 886', XC: 32-16-35 / 99-35-38

Amarillo: KQIZ 93.1 adds Kidd Kraddick (KHKS)

Beaumont: KQQK 107.9 CC (ex KXTJ), FC to Tejano (Houston)

Beeville: KTKO 105.7 FC to country

Big Lake: KPDB 98.3 NW, Spanish cont. Christian // KUBR

Bryan: KNFX 99.5 CC (ex KBMA), FC to classic rock (College Station)

Canyon: KZRK 107.9 adds Bob & Tom

Cedar Park: KXMG 93.3 FC to rhythmic CHR CC (ex KLNC) (Austin)

Center: KQBB 100.5 CC (ex KDET)

Centerville: KTCJ 105.9 CC (ex KUZN)

Frankston: KOYE 96.7 inc. to 492', XC: 32-2-16 / 95-24-41

Christiansburg: WFNR 100.7 PC<820w, 886 ft, XC: 37-5-31 / 80-18-21
 Clarksville: WICE 98.3 CC (ex WJLC), FC to oldies
 Crozet: WFFX 102.3 FC to classic rock, "Fox 102.3", CC (ex WVAO)
 Lynchburg: WVBE 100.1 CC (ex WLYK)

VIRGINIA:

Norfolk: WSVY 105.3 CC (ex WJCD) "The Vibe"
 Pennington Gap: WSWV 105.5 FC to oldies
 Petersburg: WRHH 99.3 CC (ex WPZE)
 Richmond: WBTJ 106.5 CC (ex WRCL) "106.5 The Beat"
 Ruckersville: WHTC 101.9 adds Rick Dees AM
 Virginia Beach: WWHV 102.1 CC (ex WANN), NW urban contemporary
 Winsdor: WJCD 107.7 CC (ex WSVY) "CD 107.7"

WASHINGTON:

Bremerton: KRWM 106.9 PC< 34 kW, 1220', DA
 Opportunity: KIXZ 96.1 CC (ex KNFR)
 Richland: KFAE 89.1 PC< 67 kW
 Seattle: KNHC 89.5 PG< 8.5 kW, C1, 1220 ft, DA, XG: 47-32-35 / 122-6-25
 Seattle: KEXP 90.3 PC> 720w, 531 ft.
 Spokane: KWHK 103.9 new format coming
 Yakima: KHHK 99.7 adds T-Man

WEST VIRGINIA:

Bethlehem: WVKF 105.5 CC (ex WZNW) "Kiss FM", adds Rick Dees (Wheeling)
 Middlebourne: WRSG 91.5 LC
 Ravenswood: WLWF 93.1 CC (ex WMOV), "Golden V 93", FC to country (&)

WISCONSIN:

Appleton: WAPL 105.7 PC< 29 kW, 413', XC: 44-15-37 / 88-22-0
 Cornell: WDRK 99.9 NW, rock "The Carp" (Eau Claire)
 Lomira: WFDL 97.7 PG> 17.5 kW, 400', C3
 Marshall: WJWD 90.3 CC (NS-LP)
 Menomonee Falls: WJMR 98.3 adds Tom Joyner, FC to urban AC (Milwaukee)
 Mishicot: WZOR 94.7 PC> 21.5 kW, DA, C3, 354'
 Milwaukee: WVCY 107.7 PC> 43 kW, 528 ft, DA, XC: 42-57-46 / 88-4-23
 Tomah: WVCX 98.9 dec. 984', XG: 43-51-10 / 90-27-36

WYOMING:

Albin: KKAU 107.3 NW, country // KUAD
 Buffalo: KSLW 99.5 CC (NS-LP)
 Casper: KMLD 97.3 PG< 2850w, C2, OSA to QG to 96.7
 Jackson: KJHB 97.7 CC (NS-LP)
 Laramie: KKRR 96.7 PG> 6.5 kW, 932', XG: 47-17-7 / 105-26-41
 Lost Cabin: KWWY 99.1 CC (ex KSXZ), NW, soft AC
 Midwest: KRVK 107.9 QC from 107.7
 Pinedale: KPIN 101.1 PG> 230w, 443', XG: 42-50-38 / 109-55-22
 Thermopolis: KZZS 98.3 CC (ex KHWC)

SAIPAN:

Garapan: KWAW 100.3 PG< 4.6 kW, 1512 ft, XG: 15-11-5 / 145-44-26 (E)

PUERTO RICO:

Bayamon: WCOM 94.7 PG< 31 kW, 1837 ft.
 Quebradillas: WIDI 98.3 PG> 50 kW, class B1, XG: 18-14-8 / 66-45-26

Rio Piedras: WFID 95.7 PG< 11.5 kW, 2782 ft, XG: 18-18-36 / 65-47-41
 San Juan: WZNT 93.7 PG< 28 kW, 1837 ft.



CANADA:

BRITISH COLUMBIA:

Chase: *NS 101.1 140w // CFJC (not 95.5 as previously reported)
 Kamloops: CFJC 550 QG to 100.1, 3.5 kW
 Pritchard: *NS 104.5 19w, to be // CFJC

NEW BRUNSWICK:

Moncton: CBAF 88.5 PG< 84 kW
 St. John: CBD-FM PG< 80 kW, tower increase

NOVA SCOTIA:

Antigonish: CJFX 98.9 PG> 2.75 kW
 Halifax: CBH 102.7 PG< 81 kW, tower inc.
 Mulgrave: *NS 103.1 40.5 kW, // Radio 2 CBH-FM Halifax

ONTARIO:

Brantford: *NS 99.9 50w app Christian stn.
 Cobourg: *NS 93.3 2.1 kW, to be a/c
 Kapuskasing: *NS 92.3 1.5w // CHIM-FM app
 Wilno: *NS 104.5 35w, // CHCR-FM

QUÉBEC:

Dolbeau: CHVD 1230 QG to 100.3 , 49 kW wanted, would also delete CHVD-1 92.1
 Gaspe: CBFX5 ??? wants PG> 4.11 kW
 Lac-Megantic: CJIT106.7 CC (ex CKFL)
 St-Jerome: CIME 103.9 PG> 11.7 kW

SASKATCHEWAN:

Dafoe: *NS ??? app // new Melfort station
 Melfort: *NS 105.1 100 kW app,
 Moose Jaw: *NS 93.7 wants QG to 100.7, XG: 50-35-44 / 105-04-09 (CFRE-11 tower near Disley)
 N. Battleford: CJCQ 97.9 CC (NS)
 Waskesiu: *NS 106.3 7.1 kW, app // new Melfort application
 Yorkton: CFGW 94.1 NW, a/c

YUKON:

Pelly Crossing: *NS 90.5 10w app // CHON-FM

PIRATE WATCH:

*According to *M Street Journal*, there are a number of pirates in the San Francisco / Bay area of California (source: *San Francisco Chronicle*). These include Liberation Radio (97.3), Berkeley Liberation Radio (104.1), and Free Radio Santa Cruz (96.3). This may be in part to anger over Congress' passage of the "Radio Broadcasting Preservation Act" which jeopardizes the future of LPFM. Check this space for more updates! Note a new feature in FM NEWS ... LPFM news. Those

stations that you see their calls in *Italics* are Low Power stations.

*Ken Onyschuck reports that Crawford Broadcasting has purchased WSQR 106.3 Oregon, Ill. (near Rockford). They also own 92.3 WPWX, 102.3 WYBA, and 106.3 WYCA in Chicagoland.

*Our deepest condolences go out to everyone who may have lost family or friends in the tragic events of September 11th. While most of the stations transmitting from the World Trade Center were TV, some FM stations were also involved. WKCR 89.9 returned on Sat 9/15 on low power from a Columbia University dormitory. WPAT 93.1 is using its auxiliary site on the Empire State

Building. WNYC 93.9 has just returned to the air, and speculation is that this is from the same location. Their studios may be shared with WKCR at Columbia for now. WKTU 103.5 is using its Clear Channel auxiliary site at Four Times Square. Some TV stations are operating at the historic tower built by FM inventor Edwin Armstrong in Alpine, NJ. I'm sure there will be many more details in Doug Smith's TV NEWS column. Some of this information taken from WTFDA's Topica discussion group, and from WTFDA Scott Fybush's superb NorthEast Radio Watch website (<http://www.fybush.com>). If you haven't checked this out yet, it's worth a look – he does a fantastic job.

The WTFDA DXer's Buddy System is working for you!!
Have YOU considered joining the Buddy System and sponsoring a TV/FM DXer? Or maybe you're someone that could benefit from the Buddy System.

Here's How It Works: Some people that are TRUE DXers find themselves limited financially. Joining a club may be something they would really like to do, however, finding the money to do such is another matter. WTFDA is doing all they can to help those share in this fun and growing hobby, by finding people that want to be someone's buddy. Maybe that's you.

When you volunteer to be a DXer's Buddy, you volunteer to cover your buddy's club dues, for however many years you wish. Your buddy then receives all the same benefits as any other full fledged member. They regularly receive the club journal, *VHF-UHF Digest*; they are granted access to the Topica e-mail site; they get to participate in all club functions; and, can also serve in club capacities, if needed.

You're also helping your DXer Buddy discover the real world of dxing, by sharing his or her dx experiences with others that share their same hobby interest. Not only will it increase the joy of that person's interest in dxing, you will also be spreading the word about TV and FM dxing to the world. And then there's the possibility of being named the 'DXer's Buddy of the Year'.

The DXer's Buddy System



HERE IS HOW TO HELP!

Send a note to WTFDA, P.O. Box 501, Somersville, CT 06072 and let us put your name on your "Buddy List". When the need arises, we'll ask you. OR just send an email to:

mbugaj@snet.net or
mikeb46@yahoo.com

THANK YOU!

Eastern TV-DX

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October 2001

November, 2001

column deadline: Oct. 12

Eastern TV-DX is for reporters from the following states: AL, CT, DE, FL, GA, IN, KY, MA, MD, ME, MI, NC, NH, NJ, NY, OH, PA, RI, SC, TN, VA, VT and WV, plus Washington, DC. Also for reporters from the following Canadian provinces: NB, NF, NS, ON, PEI and PQ. Foreign reports are also welcome!

Skip made a late season appearance in some parts of the country... read about it here!

Rick Shaftan, Sparta, NJ

shaftan@ptd.net

Equipment: JVC 21" TV, ICOM R-7000 w/video adapter. VHF lo: Winegard 1026 at 25' AGL, VHF High: 2 Winegard 1713s horizontally stacked with phase box at 30' AGL, UHF: 7' Channel Master dish screened with stainless steel chicken wire at 40' AGL.

<u>7/25 Es</u>						
1957 <u>KFYR-5</u>	NDBismarck, NBC	1352	2240 <u>CFER2-5</u>	PQGaspe Nord, FF	742	
2000 <u>WDAY-6</u>	NDFargo, ID	1188	2300 <u>CBSET-3</u>	PQ Sept-Iles, EE nx	742	
2010 <u>KBJR-6</u>	WI Superior	953	8/16 <u>tr</u>			
<u>8/13 Es</u>			0044 <u>WNLO-LP-45</u>	VANorfolk	304	
2231 <u>CJBR-2</u>	PQRimouski, SRC	579	0101 <u>WPXU-35</u>	NCJacksonville	475	
2235 <u>CHAU1-3</u>	PQSte.-Marguerite	624	0110 <u>W25AW-25</u>	NJTrenton, nx	54	
2237 <u>unID-4</u>	FFCKOI-96.9 ad		0130 <u>WOAV-LP-34</u>	NJAtlantic City	116	
			0200 <u>WTKR-3</u>	VANorfolk, wtkr.com	307	

Peter J. Giacopelli, KB2DY, 30 Peconic Drive, Massapequa, NY 11758-8317

Dypete@aol.com

Equipment: Mitsubishi 21" TV with a dipole antenna.

<u>8/15 tr</u>						
2206 <u>WHYY-12</u>	DE Wilmington	126	2248 <u>WHRO-15</u>	VA Hampton	292	
2210 <u>WTNH-8</u>	CT New Haven	53	2250 <u>WBOC-16</u>	MD Salisbury	195	
2224 <u>WPHL-17</u>	PA Philadelphia	99	2254 <u>WMPT-22</u>	MD Annapolis	199	
2228 <u>WTXX-20</u>	CT Waterbury	65	2255 <u>WNJS-23</u>	NJ Camden	100	
2232 <u>KYW-3</u>	PA Philadelphia	99	2301 <u>WGNT-27</u>	VA Portsmouth	306	
2234 <u>WLNE-6</u>	MA New Bedford	149	2305 <u>WTFX-29</u>	PA Philadelphia	99	
2243 <u>WJAR-10</u>	RI Providence	133	2307 <u>WVIT-30</u>	CT New Britain	78	
			2312 <u>WYBE-35</u>	PA Philadelphia	99	

William McGuire, Cheverly, MD

<u>8/13 tr</u>						
2335 <u>WGAL-8</u>	PA Lancaster, ID		<u>8/14 tr</u>			
2340 <u>WVIR-29</u>	VA Charlottesville		0020 <u>WWBT-12</u>	VARichmond, NBC		
			2045 <u>WMDT-47</u>	MDSalisbury, ABC		

John Vervoort, Brooklyn, NY

Equipment: 1999 13" RCA TV, Radio Shack indoor antenna connected to Archer booster.

<u>8/7 tr</u>						
0819 <u>WMPT-22</u>	MD Annapolis	212	WRC-4	DCWashington	224	
0845 <u>WYOU-22</u>	PA Scranton	137	WTG-5	DCWashington	224	
<u>8/10 tr</u>			WPVI-6	PAPhiladelphia	83	
0822 <u>WMPT-22</u>	MD Annapolis	212	WJLA-7	DCWashington	224	
0828 <u>WTWT-48</u>	NJ Burlington	65	0856 <u>WRIC-8</u>	VAPetersburg	357	
<u>8/15 tr</u>			"Good Morning Richmond"			
2258 <u>WYOU-22</u>	PA Scranton	137	WUSA-9	DCWashington	224	
<u>8/16 tr</u>			WCAU-10	PAPhiladelphia	83	
WMAR-2	MD Baltimore	187	0850 <u>WBAL-11</u>	MDBaltimore, NBC	187	
KYW-3	PA Philadelphia	83	0917 <u>WWBT-12</u>	VARichmond	334	
			WHYY-12	DEWilmington	110	

WJZ-13	MD Baltimore	187	WYBE-35	PA Philadelphia	83
WPHL-17	PA Philadelphia	83	0837 WLVT-39	PA Allentown	82
unID-18			WGTW-48	NJ Burlington	65
WDCA-20	DC Washington	224	WEDW-49	CT Bridgeport	69
WTXX-20	CT Waterbury	99	0838 WBDC-50	DC Washington	224
0831 WHP-21	PA Harrisburg	164	WNJT-52	NJ Trenton	51
WYOU-22	PA Scranton	137	unID-s	54, 55, 62 w/ Telemundo	
"Lackawanna County's News Source"			0843 WHSP-65	NJ Vineland, HSC	117
0810 WMDT-22	MD Baltimore	212	0827 WMPB-67	MD Baltimore	187
WNJS-23	NJ Camden	83	WHSI-67	NY Smithtown, HSC	35
WETA-26	DC Washington	224	<u>8/17 Es</u>		
0813 WHTM-27	PA Harrisburg	164	2058 unID-3	ABC	
WTFX-29	PA Philadelphia	83	2102 unID-2	Fox, 4	
WRLH-35	VA Richmond	334			

Re 8/16: I can't believe I logged all of these stations in about one hour's time. I have not seen tropo like this since the late 80s. I think WRIC-8 might be a tropo distance record for me.

I have a very strong feeling the 8/17 unID 2 Fox is KTVI, and 3 ABC is KTVO. I heard "Heartland" being mentioned on 3.

Jim Ayers, 2497 Wind Forest Court, Norcross, GA 30071
 jimayers@radiounique.com

<u>8/22 Es</u>					
1530 WIVB-4	NY Buffalo	675	1634 KDLO-3	SD Florence	1042
1624 WCCO-4	MN Minneapolis	903	1641 KDLH-3	MN Duluth	979
1630 KBME-3	ND Bismarck	1232	1707 WTOM-4	MI Cheboygan	809

Buffalo 4 logging was so steady I would have mistaken it for tropo except that the network was unusual for that bearing. No activity on 3 at the time! Almost missed logging this steady color picture. Very unusual bearing for Es from here. An unproductive year for DX here in Atlanta. Jim.

Roy Barstow, P.O. Box 2488, Teaticket, MA 02536 (508) 548-2329

<u>5/23 tr</u>					
2200 W57AQ-57	ME Calais		2300 CBHFT8-34	NS Weymouth	
2200 W33BD-33	ME Bangor		2300 CBHT7-52	NS Digby	
2200 CIHF-21	NB St. Stephen		2300 CBHFT1-3	NS Yarmouth	
<u>5/25 tr</u>			2300 CBHT3-11	NS Yarmouth	
0015 W36AX-36	VT Manchester		<u>7/22 tr</u>		
0230 W29CM-29	NH Littleton		0030 WRAY-30	NC Wilson	
w/WMUR-9, from ch. 16			0030 WNCN-17	NC Goldsboro	
<u>5/26 tr</u>			0100 WRAZ-50	NC Raleigh	
2100 W57AQ-57	ME Calais		0100 WJHJ-19	VA Williamsburg	
2130 CBHT6-8	NS Middleton		0100 WJHJ-39	VA Newport News	
2130 CBHFT5-46	NS Middleton		0300 CIHF2-12	NB St. John	
2200 CIHF-21	NB St. Stephen		0300 CBCT-13	PEI Charlottetown	
2200 W61AO-61	ME Calais		0300 CJCH7-40	NS Yarmouth	
2300 W14BO-14	ME Medway		0400 CIHF-21	NB St. Stephen	
2300 W27CE-27	ME Dover		0400 WWBT-12t	VA Richmond <1,2>	
w/TBN, from ch. 19			0415 CBAT-7	NB St. John	
<u>6/26 tr</u>			0415 WLFL-22	NC Raleigh	
2200 WPXN-34	NY New York		0415 WRDC-28	NC Durham thru local	
<u>7/21 tr</u>			2245 WPFL-27	PA? WB-17	
0030 CKLT-9	NB St. John		2245 WCVE-23	VA Richmond	
0030 WNCN-17	NC Goldsboro		<u>8/3 tr</u>		
0030 WRAZ-50	NC Raleigh		2000 WVH-50	NY Southhampton	
0030 WUNP-36	NC Roanoke Rapids		from 23		
0100 WTVD-11	NC Durham		<u>8/15 tr</u>		
0100 WWBT-12	VA Richmond		0800 WUNM-19	NC Jacksonville	
0100 WRPX-47	NC Rocky Mount		0800 WUNP-36	NC Roanoke Rapids	
2100 CBHFT5-46	NS Middleton		0800 WUNJ-39	NC Wilmington	
2100 WYDO-14	NC Greenville		0800 WXOB-14	VA Richmond	
2100 WNCT-9	NC Greenville		0800 WRLH-35	VA Richmond	
2200 WFME-66	NJ West Milford		0900 WKFT-40	NC Fayetteville	
2300 CBHT6-8	NS Middleton		0900 WEPX-38	NC Greenville	
2300 CIHF10-45	NS Yarmouth		0900 WNCN-17	NC Goldsboro	
			2100 WRAZ-50	NC Raleigh	

2100 WRPX-47	NCRocky Mount
2100 WYDO-14	NCGreenville
2245 WUPV-65	VARichmond
<u>8/16 tr</u>	
0610 WWBT-12	VARichmond
0630 WRIC-8	VAPetersburg
0630 unID-8 w/Daystar symbol	
0640 WRAY-30	NCWilson
0640 WNJB-58	NJNew Brunswick
through local	
0730 CBCT-13	PEI Charlottetown
"CBC PEI CHARLOTTETOWN"	
on frame bar	
0730 CBAFT5-31	PEI Charlottetown
0730 CIHF2-42	PEI Charlottetown
0730 eastern PA in strong	
2100 W19BH-19	VAVirginia Beach
w/MTV2 programming	
2100 CBHFT5-46	NSMiddleton
2100 CBHFT8-34	NS Weymouth

2100 CBHT7-52	NSDigby
2100 CBHT10-24	NSWeymouth
<u>8/21 tr</u>	
1000 W67DF-67	MA Springfield, TBN
1000 stations	out to 250 mi. strong
<u>8/25 tr</u>	
2000 W18AY-18	ME Portland
2000 W33BD-33	ME Bangor
2000 W57AQ-57	ME Calais
2000 W61AO-61	ME Calais
2100 W14CL-14	ME Hartswell
2100 W36EK-36	ME Bangor
2100 W45AL-45	ME Portland
2100 W27CE-27	ME Dover
2200 <u>W34CN-34</u>	MEMedway, Log # 744
plus: 2, 5, 6, 7, 8, 10, 12, 13,	
13 PBS, 23, 26, 35, 51 from	
Maine. Later many stations	
from VA and NC coming in.	

Bob Seybold, 1865 W. Main Rd., Silver Creek, NY 14136

Another report while fresh in my memory.

Since last report I installed a new Radio Shack UHF only top of the line antenna with rotor. After experimenting a few days with excellent results I installed a Radio Shack antenna-mounted amp with adjustable gain to 26dB. Great results especially on trop scatter with only negative results being some serious overload on a few stations which I can tune down. Only problem there is going for open adjacent channels where I want all the gain I can get to bring in weak or trop scatter.

Antenna is very sharp and directional cutting out unwanted stations easily. Can really cut down Buffalo UHF at 30 miles (some 35 miles) a lot. On the few days I have used it I am getting a huge amount of trop scatter, even some stations I have only seen a few times in all of my years of DXing. I am seeing them often and some every day. One is Connecticut 30.

There really hasn't been a major opening since I installed it so I am looking forward to some good catches. Some of stations I see daily are: Binghamton U's with channel 34 the best. Scranton U's often; Philly 57 often; Baltimore 45 often; Syracuse U's and Utica 20 daily. Low power Rochester U's often; great signal out of Batavia 51, and Springfield, NY 67. Lebanon, PA 15, York 43 PA often. Frequent co-channel on Binghamton 46; Utica 20; Erie 54 to east; Detroit 50 to west; Detroit 20; Erie 35 to ESE, co-channel on all of these and often.

Here are some other details:

Aug. 4 tropes: Columbus-Cincinnati 53; Louisville 32; Ohio 32; Lima U's; 63 and 64 repeating WVIZ-25; Ohio 65 & 53 shopping guide stations; Cleveland U's and V's very strong; some brief E-skip on channel 2 on August 4-7.

Aug. 5 tropes: Ft. Wayne U's, Lafayette 18; Flint, Saginaw, Lansing, Battle Creek U's.

Aug. 8 tropes: Canadian U's strong.

Aug. 9 tropes: Ft. Wayne U's; Angola 63; Columbus, Cleveland U's strong; Toledo, Lima, Akron, Alliance, OH strong; some weak e-skip in evening.

Aug. 10: evening E-skip channels 2-4, WEDU-3 IDed.

Aug. 11: Cleveland strong in early hours.

Aug. 12: installed amp for UHF; saw lots of trop scatter especially Scranton 16, 22, 38, 44; Watertown 16 & 56 good; Syracuse 24, 43, 68; Binghamton U's 46 with CCI to east? Lebanon 15; Pittsburgh 40 & 53 strong; CCI on Youngstown 33.

Aug. 13-18 tropes: lots of trop scatter out to 300 miles especially to ESE, Binghamton has some good peaks.

No major opening on tropes. Some auroral hash mixing with E-skip in this period. Some strong E-skip evening of 17th. WEDU-3, WBRZ-2, WLBT-3, KATC-3, KTBS-3, CBC on 2 & 3 to northwest, reached channels 4-6 for brief time. That's it for now. Will be monitoring tropes closely.

Bob Seybold

That's all for this month... got any DX to share? Take a moment and drop me a line!.....
73s Matt.

WESTERN TV DX

FOR TV DXERS IN WESTERN NORTH AMERICA

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7803

This report is for August 2001.

SANTA BARBARA REPORT

Summer air layering (lower cool moist lower layer and warmer dry layer above) along the coast varied during the month. Upper layer was the same as inland warm/hot temperatures, the warmer, the better, for tropo along the coast. Southern California coastal tropo TV-FM Santa Barbara to San Diego/Tijuana (up to 200mi/320km):

July 31: Very poor Not as hot inland
Aug 1-4: Variably poor Inland temp.
increased
Aug 5-6: Fair to HOT; therefore, coastal
Aug 7-10: Good inversion layering was
Aug 10eve-12eve: out of town: Wasco
Aug 12 eve: Poor more pronounced
Aug 13 am: Very poor
Aug 13 eve-19: Good (approaching very
good Aug 17-18)
Aug 20-21: Fair Some cooling inland
Aug 22-24am: Very poor
Aug 24 eve-25 am: Poor
Aug 25 eve: Fair+ Heating again
Aug 26-28: Variably poor-fair
Aug 29: Poor Some cooling again.
Aug 30-31: Very poor

Update on what I thought might have been KDOC 56 Anaheim received in S.B: apparently it was not. I saw ch. 56 on Jul 11 approx 0540-0545 PDT, then again Aug 3 0435-0500, no sound, CAN shopping, not CAN. Suspected now is a ch. 56 phantom signal on S.B. area K55AP (KCET-28 Los Angeles translator) before KCET s/on, possibly on tropo from K29DX San Diego (listed as KRCA-62 Riverside translator)—if K29DX is on the air and if KRCA-62 had CAN then. Then, Aug 25 2000-2030, new logging, no ID or certainty of pgm origin (so, tentative so far), ch. 29 directly (possibly K29DX, poor pic, very poor sound, approx 175mi/280km) with CAN shopping, which

confirms the above phantom-signal likelihood.

WASCO REPORT

Of my scattered trips to Wasco, this time I happened on the best tropo DX since the 1970s that I can remember. (I wasn't actively DXing in Wasco for years after 1974.) Traditionally, the most intense tropo has occurred in the winter, but there were some surprisingly good morning tropo conditions this time on my modest equipment, old Sears B&W 10" with UHF 4-bay conical 16ft/5m AG & VHF 1-bay conical 10ft/3m AG. Summer humidity has increased in recent years in California's San Joaquin/Sacramento Valley (Bakersfield to Redding) with more producing crop acreage (agriculture) so that may a reason. All tropo (no regulars listed). All CA. Approx distances mi/km. All Aug. 11 & 12, approx 0600-1000 PDT each morning.

Aug 11 & 12, both mornings tr
KCRA 3 Sacramento Local nx, NBC
215/345
KVIE 6 Sacramento Fund-raising, PBS
215/345
(At the house was TV CCI under KSBY, S.L.Obispo; on car FM clear KVIE audio in spots around town)
KSBWt 8 Salinas NBC? 150/240
KXTV 10 Sacramento ABC 215/345
KOVR 13 Stockton CBS 215/345
K15ETt 15 Fresno/Merced 145/230
(Offset CCI u/K15CO Porterville, still new tent. Since 7-9-99)
K15Cyt 15 Sacramento
(Zero-beat CCI u/K15CO Port.)
KMPH-LPt 17 Merced 145/230
(Offset CCI u/KGET Bakersfield, still new tent. Since 12-26-00)
KUVS 19 Modesto Uni Spanish 175/280
K27Ext 27 Mod. 175?/280?
Or K27Eut 27 Sac'to 240?/385?
(offset CCI u/27 Bak.)
K28Emt 28 Mariposa 150/240
(Offset CCI u/KJKZ-LP Fresno)
KMAX 31 Sacramento UPN 215/345
KSCO-LPt 34 Sacramento 240?/385?
(offset CCI u/KSDI-LP Fresno, still new tent. Since 11-14-99)
KTXL 40 Sacramento Fox 215/345
K47DQt 47 Sacramento

(Offset CCI u/KGPE Fresno, still new tent.
Since 12-26-00)
K52CKt 52 Stockton 200?/320?
 (Offset CCI u/KSUV-LP Bak.)
 K56DZ 56 Fresno TBN 90?/145?
 KQCA 58 Stockton WB 215/345
 (Offset CCI u/KBFX-LP Bak. Most times, but
at peak on Aug 1 was over Bak.)
August 11 morning only tr
K49Eot 69 Modesto or K69Eft 69 Sacto
TBN
August 12 morning only tr
 KRCR 7 Redding ABC 390/625
 (Haven't seen this since 1970s)
 KAZV-LP 14 Modesto 175/280
 Local pgms & Modesto ads
KBSVt 23 Ceres 160/255
 (Offset CCI u/KERO Bak.)
KCVUt 30 Paradise 315/505
 (Zero-beat CCI u/KFSN Fresno; however,
offset doesn't match stn list; what other
poss.?)
K49EOt 49 Modesto or
K49DDt 59 Sacramento
 (Offset CCI u/KNXT Visalia)

Out of all of the new signals noted, not one is definite so far. For example, I don't know which Modesto or Sacramento possibilities may actually be on the air or not.
 I made an error in Paradise Report two months ago. On channel 23, "K32ES" Sacramento should have been K23ES.

Best of DX to all. Dennis

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817

August 2001 CT
 2-9 On Vacation
 10 tr 2350 KXAN 36 TX 395
 KEYE 42 TX 395
 11 tr 0057 KVUE 24 TX 395
 KRRT 35 TX 475
 0058 KNVA 54 TX 395
 17 Es 2044 KTIV 4 IA 880
 2110 KPLot 6 SD
 KIVVt 5 SD
 2117 KEVNt 7! SD Fox
 2123 KOTAt 3 SD
 2134 KTVS 3 CO 945
 2320 KCNC 4 CO 1010
 18 tr 0049 KXAN 36 TX 395
 0132 KEYE 42 TX 395
 2122 KEDT 16 TX 425
 2344 XHAB 7 TA 505
 19 tr 0050 KTLM 40 TX 545
 KVEO 23 TX 500

0108	KMBH	60	TX	495		
0126	XHFOX17	TA		535		
0129	Austin	U's		395		
2121	KVTH	26	AR	295		
22	Es	2000	KSWK	3	KS	760
2003	KCNCt	4	CO			
24	Es	2100	unids	3, 5		
29	tr	1959	<u>WBPG</u>	55	AL color bars	205

I know not everyone else will agree, but this was one of the best Es seasons ever for me, especially ever since I moved to Louisiana in 1989. It was capped off with some nice late season Es this month. Though there weren't many ID's, it resulted in my probable logging of high band Es for the first time on ch. 7! There are no other Fox 7's in the vicinity, and although Austin came in after midnight (7 Austin never made it in), tropo was not up at the time.

Morris Sorensen, Winnipeg, MB

Equipment: RCA b&w portable (circa 1983)
Color Supreme 200 amplified rabbit ears

Times CDT

<u>Aug.3</u>	2001	Tropo		
1653	CKND2	2	MB Minnedosa Global	
<u>Aug.23</u>		Es		
2030-2230	un	ID 2		
	CCI	3		
2230	<u>KDTN</u>	2	TX Denton	1152
<u>Aug. 24</u>		Es		
2200	unID	2	CEN logo	

Matthew C. Sittel, 15013 Eureux Circle,
Bellevue, NE 68123 mcsittel@home.com
<http://members.home.net/mcsittel/beltvdx.htm>

Equipment: Winegard PR-9032 UHF antenna at 35', Winegard AP-4700 UHF pre-amp., Winegard PR-5030 VHF antenna at 32', MFC traps for channels 3, 6, 7 and 26.

<u>7/14</u>	Es			
1029	WCBS-2	NY New York, CBS	2	1143
1029	CIII2-2	ON Bancroft, Global		982
1059	WPBT-2	FL Miami, logo		1380
1122	WWL-4	LA New Orleans		841
1429	WJXT-4	FL Jacksonville		1098
1559	WBRZ-2	LA Baton Rouge		792
1729	WESH-2	FL Daytona Beach		1176
1801	KGBT-4	TX Harlingen, nx		1039

1801	KRGV-5	TX Weslaco, nx	1038	0600 20/38/44/50/60/66	IL Chicago	433
1959	WCBS-2	NY New York again!	1143	<u>7/26</u> tr		
2059	WDIQ-2	AL Dozier, APT	846	2130 9/11/29	MN Minneapolis	309
2140	WMAR-2	MD Baltimore, logo	1023	<u>7/27</u> tr		
2154	WTTG-5	DC Washington	1007	0224 10/47	MN Rochester	248
<u>7/15 Es</u>						
1129	KDBC-4	TX El Paso, CBS 4	870	1957 CFAP-2	PQ Quebec, TQS	1286
1723	KMOL-4	TX San Antonio	828	2233 KGBT-4	TX Harlingen, nx	1039
1729	KGBT-4	TX Harlingen, nx	1039	<u>7/28</u> tr		
1731	KRGV-5	TX Weslaco, nx	1038	0916 KXLT-47	MN Rochester	272
1749	KBEJ-2	TX Fredericksburg	773	1013 KDSD-16	SD Aberdeen	317
<u>7/16 Es</u>						
1845	unID-2	SS version "Family Feud"		1015 KTSO-10	SD Pierre	273
<u>7/17 tr</u>						
0619	KOOD-9	KS Hays	217	1034 KVLY-11	ND Fargo, calls	438
0622	24/33	KS Wichita	244	<u>7/29</u> tr		
<u>7/17 Es</u>						
1919	KNAZ-2	AZ Flagstaff, wx	947	0702 KTSO-10	SD Pierre	273
1921	KTVX-4	UT Salt Lake City	850	0705 KESD-8	SD Brookings	234
1921	KSL-5	UT Salt Lake City	851	0706 KXLT-47	MN Rochester	272
1931	KBCI-2	ID Boise, nx	1044	0706 WFTC-29	MN Minneapolis	309
2000	CBFT-2	PQ Montreal, SRC	1161	0708 38/44/50	IL Chicago	433
2029	<u>CIII4-4</u>	ON Owen Sound	<u>791</u>	0708 60/66	IL Chicago	433
2159	WGRZ-2	NY Buffalo, nx	896	0711 KIIN-12	IA Iowa City	242
2200	WKTV-2	NY Utica, local ad	1083	0712 KTTC-10	MN Rochester	248
2213	unID-2	SS		0902 KDSD-16	SD Aberdeen	317
<u>7/18 tr</u>						
1718	21/27/33	MO Springfield	312	0916 KFXB-40	IA Dubuque	291
1924	<u>KPLO-6</u>	SD Reliance	<u>273</u>	1104 WFXT-55	WI Wittenberg	427
<u>7/18 Es</u>						
1920	<u>KOB-4</u>	NM Albuquerque, wx	<u>701</u>	1306 19/31	WI La Crosse	299
1927	KASA-2	NM Santa Fe, calls	701	1306 WHRM-20	WI Wausau, // 31	411
<u>7/19 tr</u>						
2117	KTSO-10	SD Pierre	273	1306 WHWC-28	WI Menomonie	342
<u>7/20 tr</u>						
2131	WHOI-19	IL Peoria, HOI	333	1642 WKOW-27	WI Madison	358
<u>7/21 tr</u>						
0702	25/31/47	IL Peoria	334	1702 WDJT-58	WI Milwaukee	432
0716	KDNL-30	MO St. Louis	344	1704 WHBF-4	IL Rock Island	285
0804	21/27	MO Springfield	312	1758 WMEC-22	IL Macomb	278
<u>7/21 Es</u>						
1934	WDTV-5	WV Weston, lottery#	831	1801 WEEK-2	IL Peoria	335
2010	CBFT-2	PQ Montreal, SRC	1161	1801 KDNL-30	MO St. Louis	344
2102	unID-2	SS		1816 WNDU-16	IN South Bend	505
<u>7/21 tr</u>						
2211	10/47	MN Rochester	248	1816 56/62	IL Chicago	424
<u>7/23 tr</u>						
0115	KDNL-30	MO St. Louis	344	1823 K62EV-62	MN Winona, KTTC-10	300
0120	KLJB-18	IA Davenport, Fox18	289	1828 K66FA-66	IA Davenport, 3ABN	258
0122	<u>K42AM-42</u>	IA Ottumwa, TBN	<u>180</u>	1830 K14AF-14	IA Decorah, IPTV	263
0124	10/47	MN Rochester	248	1832 WYZZ-43	IL Bloomington	354
0124	WTJR-16	IL Quincy	254	1848 KWCV-33	KS Wichita	244
0133	19/31/47	IL Peoria	333	1855 31/47	IL Peoria	334
0134	WRSP-55	IL Springfield	352	1856 WSBT-22	IN South Bend	505
0135	KFXB-4	IA Dubuque, //KFXA28	291	1901 WEUX-48	WI Chippewa Falls	343
0137	<u>KJMH-26</u>	IA Burlington, Fox18	<u>251</u>	1902 WNIT-34	IN South Bend	506
0147	<u>K27CV-27</u>	IA Ottumwa, WHO-13	<u>184</u>	1902 WHPN-57	WI Janesville	362
0150	K38AB-38	IA Fort Madison	237	2001 WYOW-34	WI Eagle River	466
<u>7/24 tr</u>						
0202	KWCC-11	SD Sioux City	248	2002 WVCY-30	WI Milwaukee	434
0203	KFED-11	SD Rapid City	248	2002 K64DG-64	IA Iowa City, TBN	230
0204	KFED-11	SD Rapid City	248	2002 W63BU-63	WI Milwaukee	430
0205	KFED-11	SD Rapid City	248	2006 WTLJ-54	MI Muskegon	530
0206	KFED-11	SD Rapid City	248	2006 WAOE-59	IL Peoria, UPN 59	337
0207	KFED-11	SD Rapid City	248	2008 WCFN-49	IL Springfield	349
0208	KFED-11	SD Rapid City	248	2011 WIWB-14	WI Suring	466
0209	KFED-11	SD Rapid City	248	2012 WJFW-12	WI Rhinelander	462
0210	KFED-11	SD Rapid City	248	2013 K44FK-44	IA Waterloo	206
0211	KFED-11	SD Rapid City	248	2015 K60DS-60	MN Rochester, TBN	274
0212	KFED-11	SD Rapid City	248	2017 WPNE-38	WI Green Bay	463
0213	KFED-11	SD Rapid City	248	2150 WLAX-25	WI La Crosse	299

2150	WEAU-13	WI Eau Claire	343	2200	WWRS-52	WI Mayville, ID	412
2220	KMSP-9	MN Minneapolis	311	2205	WHBF-4	IL Rock Island	285
2222	<u>WAOW-9</u>	WI Wausau, nx, //34	<u>411</u>	2209	WNDU-16	IN South Bend	505
2227	WQOW-18	WI Eau Claire	343	2219	WTMJ-4	WI Milwaukee, nx	434
7/30 tr				2223	W54BH-54	WI Madison, 3ABN	362
0218	WIFR-23	IL Freeport	358	2224	WPNE-38	WI Green Bay	463
0220	WPXE-55	WI Kenosha	426	7/31 tr			
0230	WMTV-15	WI Madison,KXVO off	357	0630	10/47	MN Rochester	248
0233	KPXM-41	MN St. Cloud	317	0630	11/17/23	MN Minneapolis	309
0234	KSAX-42	MN Alexandria	321	8/2 tr			
0236	WTVO-17	IL Rockford	358	0609	WICS-20	IL Springfield	352
0237	WOTV-41	MI Battle Creek	548	0609	KDNL-30	MO St. Louis	344
0238	WCCO-4	MN Minneapolis	309	0611	WGEM-10	IL Quincy	254
0240	<u>WFLD-32</u>	IL Chicago	<u>433</u>	0615	8/17/25	MO Columbia	240
0241	WFBN-LP-33	WI Madison, TBN	356	0656	31/47	IL Peoria	334
0243	<u>WISN-12</u>	WI Milwaukee, promo	<u>433</u>	0658	WMEC-22	IL Macomb	278
0248	<u>WGBA-26</u>	WI Green Bay, NBC	<u>462</u>	0659	KRCG-13	MO Jefferson City	262
0248	<u>WACY-32</u>	WI Appleton, ID	<u>462</u>	0700	WHOI-19	IL Peoria	333
0317	<u>K21FA-21</u>	MN Rochester, 3ABN	<u>274</u>	0719	WEEK-25	IL Peoria	335
0325	<u>WPTA-21</u>	IN Fort Wayne, ABC	<u>559</u>	0719	WRSP-55	IL Springfield	352
0329	WZPX-43	MI Battle Creek	569	0720	K38AB-38	IA Fort Madison,IPT	237
0630	40/59	IN Indianapolis	518	0729	WYZZ-43	IL Bloomington	354
0630	<u>WGVU-35</u>	MI Grand Rapids, ID	<u>531</u>	0733	WTJR-16	IL Quincy	254
0703	WSJV-28	IN Elkhart	506	0734	KYOU-15	IA Ottumwa,over Icl	207
0706	WQAD-8	IL Moline	289	8/3 tr			
1158	WMVS-10	WI Milwaukee, promo	434	2205	KXLT-47	MN Rochester	272
1203	<u>WBAY-2</u>	WI Green Bay, nx	<u>463</u>	2206	19/31	WI La Crosse	299
1205	<u>W41CI-41</u>	WI Milwaukee	<u>433</u>	2208	9/23/29	MN Minneapolis	309
1230	WHME-46	IN South Bend, ID	508	8/4 tr			
1230	WCFC-LP-51	IL Rockford, TLN	367	0605	KDSD-16	SD Aberdeen	317
1232	WCCU-27	IL Urbana	423	0609	KESD-8	SD Brookings	234
1232	<u>WMAQ-5</u>	IL Chicago	<u>433</u>	0615	KJRE-19	ND Ellendale	389
1234	WGN-9	IL Chicago, nx	433	0622	K41EE-41	SD Watertown, KDLT	268
1235	WRSP-55	IL Springfield	352	0622	K28EQ-28	SD Aberdeen, KDLT	326
1237	WCGV-24	WI Milwaukee	434	0624	<u>KCPO-LP-26</u>	SD Sioux Falls	<u>174</u>
1239	WOCH-LP-28	IL Chicago,Korean	433	0625	KTTM-12	SD Huron	247
1240	W34CK-34	IL Arlington Hghts.	433	0629	<u>KAUN-36</u>	SD Sioux Falls	<u>170</u>
1242	WJYS-62	IN Hammond	424	0631	KABY-9	SD Aberdeen	295
1244	WTTK-29	IN Kokomo	525	0633	KTSD-10	SD Pierre	273
2059	KTCA-2	MN St. Paul	309	0727	KWCM-10	MN Appleton	282
2110	38/44/50	IL Chicago	433	0802	KRWF-43	MN Redwood Falls	236
2110	56/60/66	IL Chicago	433	0810	52/54/56	MN Appleton	283
2112	WYOW-34	WI Eagle River	466	0813	K58EO-58	MN Appleton,WFTC-29	283
2113	WFXS-55	WI Wittenberg	427	0815	<u>K60AB-60</u>	MN Appleton	<u>283</u>
2113	27/47/57	WI Madison	355	0822	WHLA-31	WI La Crosse	299
2113	WHA-21	WI Madison, pledge	355	0824	KWCV-33	KS Wichita	244
2115	WEUX-48	WI Chippewa Falls	343	0835	K67HG-67	MN Minneapolis	300
2116	KSTC-45	MN Minneapolis	309	0837	KTCI-17	MN St. Paul, wx	317
2117	9/29	MN Minneapolis	309	0910	WNIT-34	IN South Bend	506
2117	WOTV-41	MI Battle Creek	548	0911	53/58	MN Minneapolis	300
2118	WIWB-14	WI Suring	466	0911	KXLT-47	MN Rochester	272
2118	WWTO-35	IL La Salle	364	0913	60/66	IL Chicago	433
2118	19/25/31	WI La Crosse	299	1135	KBMY-17	ND Bismarck	451
2119	WHWC-28	WI Menomonie	342	2135	21/27/33	MO Springfield	312
2119	55/58/63	WI Milwaukee	426	2135	KWBM-31	AR Harrison	353
2119	WJJA-49	WI Racine	434	2136	30/46	MO St. Louis	344
2120	WTLJ-54	MI Muskegon	530	2137	8/17/25	MO Columbia	240
2130	WGVU-35	MI Grand Rapids	531	2138	29/58	MN Minneapolis	300
				2207	KTVI-2	MO St. Louis, rare	344

2207	KETC-9	MO St. Louis, rare	345	1911	19/25/31	IL Peoria	333
2217	KOLR-10	MO Springfield	312	1911	WTVP-47	IL Peoria	334
2221	KBSI-23	MO Cape Girardeau	425	1914	27/47/57	WI Madison	355
2223	WEHS-60	IL Aurora	433	1914	56/60/66	IL Chicago	433
2243	50/52/54	MN St. James	219	1915	38/44/50	IL Chicago	433
2243	K30FN-30	MN St. James	219	1915	WYZZ-43	IL Bloomington	354
2244	58/67	MN Minneapolis	300	1916	WVCY-30	WI Milwaukee	434
2245	WHWC-28	WI Menomonie	342	1919	WXIN-59	IN Indianapolis	518
2246	5/9/11	MN Minneapolis	309	1956	WMVS-10	WI Milwaukee	434
2250	<u>KTEJ-19</u>	AR Jonesboro,pledge	<u>454</u>	1958	16/22/46	IN South Bend	505
2317	WMBD-31	IL Peoria	335	1958	28/34	IN South Bend	506
2318	KMWB-23	MN Minneapolis	309	2003	WZPX-43	MI Battle Creek	569
<u>8/5 tr</u>				2004	WMTV-15	WI Madison	357
0722	KJRE-19	ND Ellendale	389	2101	<u>WSMH-66</u>	MI Flint, Fox 66	<u>626</u>
0729	9/16	SD Aberdeen	295	2104	WAQP-49	MI Saginaw, TBN	626
0730	KWCV-33	KS Wichita	244	2104	WHA-21	WI Madison	355
0733	KDNL-30	MO St. Louis	344	2131	<u>WEYI-25</u>	MI Saginaw, NBC 25	<u>642</u>
0733	17/29	MN Minneapolis	309	2159	<u>WQRF-39</u>	IL Rockford, Fox 39	359
0735	KWCM-10	MN Appleton	282	2204	WCFC-LP-51	IL Rockford	367
0831	WRSP-55	IL Springfield	352	2205	KFXB-40	IA Dubuque	291
0832	19/25/31	IL Peoria	333	2209	WTVO-17	IL Rockford, nx	358
0832	WTVP-47	IL Peoria	334	2210	WOTV-41	MI Battle Creek	548
0900	WHSI-46	IL East St. Louis	344	2225	WMAQ-5	IL Chicago , nx	433
0958	KSTC-45	MN Minneapolis	309	<u>8/7 tr</u>			
0959	WYZZ-43	IL Bloomington	354	2059	WEHS-60	IL Aurora	433
0958	WGBO-66	IL Joliet	433	2102	47/60	MI Rochester	272
2124	38/44/50	IL Chicago	433	2103	29/58/67	MN Minneapolis	300
2124	60/66	IL Chicago	433	2103	KMWB-23	MN Minneapolis	309
2124	WFXS-55	WI Wittenberg	427	2103	WFXS-55	WI Wittenberg	427
2125	KDNL-30	MO St. Louis	344	2104	KEYC-12	MN Mankato	211
2126	30/58/63	WI Milwaukee	430	2104	19/25/31	WI La Crosse	299
2127	27/47/57	WI Madison	355	2106	WHWC-28	WI Menomonie	342
2128	WTLJ-54	MI Muskegon	530	2106	WNDU-16	IN South Bend	505
2131	49/55	WI Milwaukee	426	2107	38/50/66	IL Chicago	433
2132	25/31/47	IL Peoria	334	2107	WWTO-35	IL La Salle	364
2133	WMEC-22	IL Macomb	278	2110	WKOW-27	WI Madison	358
2133	WYOW-34	WI Eagle River	466	2122	WYOW-34	WI Eagle River	466
2134	KXLT-47	MN Rochester	272	2125	<u>K57EU-57</u>	MN Austin	<u>226</u>
2134	WFTC-29	MN Minneapolis	309	2125	51/53/55	MN Austin	226
2134	WYIN-56	IN Gary	444	2126	WNIT-34	IN South Bend	506
2141	WWTO-35	IL La Salle	364	2126	WYIN-56	IN Gary	444
2148	WNDU-16	IN South Bend	505	2127	WEEK-25	IL Peoria	335
2154	WOTV-41	MI Battle Creek	548	2132	WTVP-47	IL Peoria	334
2157	WSBT-22	IN South Bend	505	<u>8/9 tr</u>			
2159	WHA-21	WI Madison	355	0607	KFXB-40	IA Dubuque	291
2159	WXIN-59	IN Indianapolis	518	<u>8/13 tr</u>			
2205	19/31	WI La Crosse	299	0603	KXLT-47	MN Rochester	272
2220	34/46	IN South Bend	506	0605	17/23/29	MN Minneapolis	309
2226	WHMB-40	IN Indianapolis	518	0656	KWCV-33	KS Wichita	244
2226	WYZZ-43	IL Bloomington	354	0657	WQPT-24	IL Moline, TP	289
<u>8/6 tr</u>			0700	25/31/47	IL Peoria		333
0220	WACY-32	WI Appleton	462	0729	KNLJ-25	MO Jefferson City	262
0637	KGEB-53	OK Tulsa	349	0729	20/55	IL Springfield	352
0637	21/33	MO Springfield	312	0733	19/31	WI La Crosse	299
0649	WNIT-34	IN South Bend	506	0735	WDJT-58	WI Milwaukee	432
0650	WHOI-19	IL Peoria	333	0737	WFXS-55	WI Wittenberg	427
0650	WGVU-35	MI Grand Rapids	531	<u>8/14 tr</u>			
0659	KWCV-33	KS Wichita	244	0645	KDOR-17	OK Bartlesville, TBN	317
1910	WDJT-58	WI Milwaukee	432	0645	23/47/53	OK Tulsa	349

0645	KWBT-19	OK Muskogee	369	0719	KHBS-40	AR Fort Smith, ABC	422
0645	KRSC-35	OK Claremore, TP	325	2123	24/30/46	MO St. Louis	343
0645	KWBM-31	AR Harrison	353	2125	WICS-20	IL Springfield	352
0648	34/43/52	OK Oklahoma City	390				
0650	<u>K17CK-17</u>	KS Emporia, Fox 43	<u>177</u>				
0654	<u>KOED-11</u>	OK Tulsa, TP	<u>351</u>				
0656	KHBS-40	AR Fort Smith, 40/29	422				
0659	KOZK-21	MO Springfield	312				
0700	KPOM-24	AR Fort Smith, NBC	385				
0702	KFAA-51	AR Rogers, NBC	352				
0727	KTPX-44	OK Okmulgee	364				
<u>8/21 Es</u>							
2143	WMAR-2	MD Baltimore, logo	1023				
2159	WRC-4	DC Washington, nx	1007				
2208	WDTV-5	WV Weston, nx	831				
<u>8/22 Es</u>							
1726	WESH-2	FL Daytona Beach	1176				
1729	WSJK-2	TN Sneedville, 2/15	760				
1729	WUFT-5	FL Gainesville	1094				
1815	WJXT-4	FL Jacksonville	1098				
1959	unIDs-2	UPN, 4 CBS. Probably TX.					
<u>8/23 Es</u>							
1730	unIDs-2,4,5	SS					
1800	KNAZ-2	AZ Flagstaff, ID	947				
1900	KVVU-5	NV Henderson, Fox 5	1088				
1902	KVOA-4	AZ Tucson, nx	1014				
1902	KOB-4	NM Albuquerque, nx	701				
1912	KASA-2	NM Santa Fe, Kasa	701				
<u>8/24 Es</u>							
1218	XEFB-2	NL Monterrey, 2os	1096				
1332	KMID-2	TX Midland, local ad	716				
1957	WSJK-2	TN Sneedville	760				
<u>8/26 Es</u>							
0834	unID-2	possibly PBS					
<u>8/26 tr</u>							
0828	KDSD-16	SD Aberdeen	317				
2136	KSNC-2	KS Great Bend	238				
2136	KOOD-9	KS Hays	217				
2139	KSNF-16	MO Joplin	287				
2139	KRSC-35	OK Claremore, RSC-TV	325				
2142	KNLJ-25	MO Jefferson City	262				
2142	KDNL-30	MO St. Louis, ABC 30	344				
2143	WGEM-10	IL Quincy	254				
2144	WFTC-29	MN Minneapolis	309				
2144	WHLA-31	WI La Crosse	299				
2146	KSTC-45	MN Minneapolis	309				
2152	KFAA-51	AR Rogers, 24/51	352				
2156	KWCV-33	KS Wichita, WB	244				
2209	KHOG-29	AR Fayetteville	365				
2212	KOLR-10	MO Springfield	312				
2220	K43ER-43	KS Independence, TBN	272				
<u>8/27 tr</u>							
0600	KSAS-24	KS Wichita, Fox KS	244				
0605	KAKE-10	KS Wichita, nx	244				
0657	KDOR-17	OK Bartlesville, TBN	317				
0658	KOZK-21	MO Springfield, OPT	312				
0658	KOKI-23	OK Tulsa, Fox 23	351				
0701	KWBM-31	AR Harrison	353				
0701	KWHB-47	OK Tulsa	351				
<u>August 2001 UTC</u>							
03	tr	0825	KSAX	42	MN		404
		0835	<u>W48CK</u>	48	IL	Sterling	<u>15</u>
04	tr	2040	WOAC	67	OH		417
		2220	<u>K62EG</u>	62	MO	St. Louis	<u>213</u>
		2300	KASN	38	AR		537
05	tr	0320	KHBS	40	AR		513
		0325	KTVP	29	AR		463
			KFAA	51	AR		444
		0330	KPOM	24	AR		513
			<u>K64FO</u>	64	AR	Fayetteville	<u>463</u>
		0355	<u>KNJE-LP</u>	68	AR	Eureka Sp.	429
		0430	<u>KARK</u>	4	AR	Little Rock	<u>503</u>
		0500	<u>KWBN</u>	31	AR	Harrison	<u>424</u>
		0530	<u>K54FH</u>	54	AR	Green Forest	<u>426</u>
		0545	KTHV	11	AR		503
		0950	<u>KPWB</u>	23	IA	Ames	<u>218</u>
		0955	KSAX	42	MN		404
		1000	KXNE	19	NE		402
			KHNE	29	NE		464
06	tr	0030	<u>KWCV</u>	33	KS	Wichita	<u>498</u>
		0040	KSAS	24	KS		498
		0750	KXNE	19	NE		402
			KHNE	29	NE		464
		Es	1055	KIII	3	TX	1072
				XHHUPN	2	TAM	1201
		1100	WFOR	4	FL		1229
			WPTV	5	FL		1168
			WEDU	3	FL		1031
		1105	WKM	6	FL		1020
		1110	WESH	2	FL		983
		1125	WTWJ	6	FL		1229
		1130	WUFT	5	FL		923
		1210	WBEJ	2	TX		972
		1225	WWL	4	LA		813
		1330	KMID	2	TX		967
		1410	KPRC	2	TX		893
			XEPM	2	CI		1162
		1610	KNAZ	2	AZ		1258
07	tr	0255	WOAC	67	OH		417
		0230	KSAX	42	MN		404
		0240	KDSD	16	SD		509
		0255	WOIO	19	OH		401
09	Es	1855	WESH	2	FL		983
		1905	WPBT	2	FL		1229
		2000	XHHUPN	2	TAM		1201
		2030	KFDX	3	TX		729

2105	KBEJ	2 TX	972	2132	unID-2	NNW, CHBC CBC
10 Es	1035 WPBT	2 FL	1229	<u>May 26, 2001</u>	Es	
	1045 WEDU	3 FL	1031	1150 <u>WOWT-6</u>	NE	Omaha ads
	1050 WESH	2 FL	983	1600 <u>KLBY-4</u>	KS	Colby KAKE Nx
14 tr	0415 KSAX	42 MN	404	1633 <u>KSNC-2</u>	KS	Great Bend KSN
	Es 1040 KPRC	2 TX	893	1658 <u>KACV-2</u>	TX	Amarillo, calls
20 Es	1005 XHHPN	2 TAM	1201	<u>May 28, 2001</u>	Es	
	1035 XEFB	2 CI	1162	0859 <u>KPRC-2</u>	TX	Houston, Dopplr radar
21 Es	2025 KYW	3 PA	741	0901 <u>WESHt-2</u>	FL	Orlando, audio only
	2100 KBEJ	2 TX	972	0930 <u>KAMR-4</u>	TX	Amarillo, ads
22 Es	2050 XEFB	2 CI	1162	<u>May 31, 2001</u>	Es	
23 Es	1310 KBEJ	2 TX	972	1648 <u>KQTVt-2</u>	MO	St. Joseph
	1330 KPRC	2 TX	893	1654 <u>KGAN-2</u>	IA	Cedar Rapids, calls
	1400 KDTN	2 TX	719	1759 <u>KOTV-6</u>	OK	Tulsa, ads
	1800 KWGN	2 CO	811	2032 <u>KSNC-2</u>	KS	Great Bend KSN Nx
	1830 KOTA	3 SD	699	<u>June 1, 2001</u>	Es	
	KIDK	3 ID	1123	0725 <u>CKCK-2</u>	SK	Regina SK 1 st Nx
	KTWO	2 WY	849	0729 <u>KTVQ-2</u>	MT	Billings, Wx, Ads
	KWGN	5 WY	785	0735 <u>CKNDt-2</u>	MB	Minnedosa, Nx
	1900 KCWC	4 WY	966	0826 <u>CFCN-4</u>	AB	Calgary, ads
	1915 KSL	5 UT	1139	0828 <u>KXLY-4</u>	WA	Spokane, ads, wx
	2010 KNAZ	2 AZ	1258	0833 <u>CKAL-TV-1 (-2)</u>	AB	Lethbridge, ads
	2050 KASA	2 NM	972	0850 <u>KBCI-2</u>	ID	Boise, calls lower rt
24 tr	0005 KSAX	42 MN	404	0855 <u>KREM-2</u>	WA	Spokane, ads, promo
	Es 1125 WPBT	2 FL	1229	0859 <u>CHBC-2</u>	BC	Kelowna
	1200 KBEJ	2 TX	972			Okanagan w/KREM-2
	2040 KPRC	2 TX	893	0918 <u>unID-4</u>		Mexico, SS
	2200 KREG	3 CO	933	0921 <u>unid-2</u>		Mexico, SS
	KWGN	2 CO	811	0925 <u>KPRC-2</u>	TX	Houston, calls
	2230 KSL	5 UT	1139	2200 <u>KQTV-2</u>	MO	St. Joseph, ads
27 tr	0230 KWCV	33 KS	498	2200 <u>KTVI-2</u>	MO	St. Louis, Fox 2 ads
	0330 KAKE	10 KS	498	<u>June 2, 2001</u>	Es	
	0400 KCWH	12 KS	512	0713 <u>KDFW-4</u>	TX	Dallas, local pgm
	0455 KGIN	11 NE	458	0721 <u>KFDX-3</u>	TX	Wichita Falls
						over KVBC-3 @0729 w/calls

August 5 brought tropo into Arkansas. Six new stations were logged including long sought KARK-4. A primarily VHF opening was seen into KS and NE on August 27. Thunderstorms in the western plains often make for interesting tropo into KSs, NE, and SD. I cannot explain this.

August 23 and 24 brought Es openings peaking through ch. 6 at 1830 and 2200 respectively. Es was in and out through ch. 2 both days. August was the best ever with 48 Es openings. Two major openings this late in the season is rare. 2001 was the best E skip season ever in northern Illinois.

Jim Pizzi, 5937 Coleman St., North Las Vegas, NV 89031-1142 jimpizzi@hotmail.com

Equipment: RS VU-90 @ 15' AG, 1985
Zenith 27"

May 18, 2001 Es
2050 unID-4 KOMO or KXLY ABC-PDT

2132	<u>unID-2</u>	NNW, CHBC CBC
	<u>May 26, 2001</u>	Es
1150	<u>WOWT-6</u>	NE Omaha ads
1600	<u>KLBY-4</u>	KS Colby KAKE Nx
1633	<u>KSNC-2</u>	KS Great Bend KSN
1658	<u>KACV-2</u>	TX Amarillo, calls
1201	<u>May 28, 2001</u>	Es
0859	<u>KPRC-2</u>	TX Houston, Dopplr radar
0901	<u>WESHt-2</u>	FL Orlando, audio only
0930	<u>KAMR-4</u>	TX Amarillo, ads
1162	<u>May 31, 2001</u>	Es
1648	<u>KQTVt-2</u>	MO St. Joseph
1654	<u>KGAN-2</u>	IA Cedar Rapids, calls
1759	<u>KOTV-6</u>	OK Tulsa, ads
2032	<u>KSNC-2</u>	KS Great Bend KSN Nx
699	<u>June 1, 2001</u>	Es
1123	<u>0725 CKCK-2</u>	SK Regina SK 1 st Nx
849	<u>0729 KTVQ-2</u>	MT Billings, Wx, Ads
785	<u>0735 CKNDt-2</u>	MB Minnedosa, Nx
966	<u>0826 CFCN-4</u>	AB Calgary, ads
1139	<u>0828 KXLY-4</u>	WA Spokane, ads, wx
1258	<u>0833 CKAL-TV-1 (-2)</u>	AB Lethbridge, ads
972	<u>0850 KBCI-2</u>	ID Boise, calls lower rt
404	<u>0855 KREM-2</u>	WA Spokane, ads, promo
1229	<u>0859 CHBC-2</u>	BC Kelowna
972		Okanagan w/KREM-2
893	<u>0918 unID-4</u>	Mexico, SS
933	<u>0921 unid-2</u>	Mexico, SS
811	<u>0925 KPRC-2</u>	TX Houston, calls
1139	<u>2200 KQTV-2</u>	MO St. Joseph, ads
498	<u>2200 KTVI-2</u>	MO St. Louis, Fox 2 ads
498	<u>June 2, 2001</u>	Es
512	<u>0713 KDFW-4</u>	TX Dallas, local pgm
458	<u>0721 KFDX-3</u>	TX Wichita Falls
		over KVBC-3 @0729 w/calls
0728	<u>KDTN-2</u>	TX Denton, calls
0857	<u>KETS-2</u>	AR Little Rock, AETV pl.
0859	<u>KJRH</u>	OK Tulsa, ads
0930	<u>KUSD-2</u>	SD Vermillion, ID
1000	<u>KQTV-2</u>	MO St. Joseph, KQ-2
1027	<u>CKYBt-4</u>	MB Brandon CTV
1028	<u>unID-4</u>	Mexico SS, Canal 5 net
1030	<u>KPRY-4</u>	SD Pierre, KSFY calls
1032	<u>KBJRt-6</u>	WI Superior, NBC
1033	<u>KWSE-4</u>	ND Williston, pledge
1037	<u>unID-6</u>	Mexico, SS ch 7 net
1059	<u>KXMA-2</u>	ND Dickinson, kxma.com
	<u>June 3, 2001</u>	Es
1715	<u>unID-2</u>	East NBC NBA playoffs
1720	<u>unID-2</u>	Mexico SS
	<u>June 6, 2001</u>	Es
0727	<u>KQTV-2</u>	MO St. Joseph, ads
0757	<u>KSNC-2</u>	KS Great Bend, vid only
0825-0850	<u>unIDs-2,4</u>	Mexico, SS
0910	<u>unID-2</u>	East, UPN
0920	<u>KPRC-2</u>	TX Houston, w/montel
	<u>June 7, 2001</u>	Es
0716	<u>KJRH-2</u>	OK Tulsa, Regis w/calls
0830	<u>KARK-4</u>	AR Little Rock wx promo

0833	<u>KSNB-4</u>	NE	Superior Fox 4-17 lr	1958	KACV-2	TX	Amarillo, promos
0859	KUSD-2	SD	Vermillion, ID	<u>July 12, 2001</u>		Es	
1016	KXMA-2	ND	Dickinson, calls, ad	1658	KJRH-2	OK	Tulsa, calls
1028	unID-2	Canada, NNE, global		1729	unID-6	East	Reed Bros. Ad
<u>June 8, 2001</u>		Es		1759	<u>KXJB-4</u>	ND	Valley City, ads
0938	unID-2	ENE, UPN		1800	KQTV-2	MO	St. Joseph, ID
0950	unID-2	ENE, NBC		2200	KSNB-4	NE	Superior, ID
0953	unID-4	ENE, NBC		2235	KXMA-2	ND	Dickinson, ID
<u>June 27, 2001</u>		Es		<u>July 13, 2001</u>		Es	
1701	unID-2	SSE, SS		0730	unID-2	East	Regis
1728	CICT-2	AB	Calgary	0811	CKCK-2	SK	Regina, CTV AM
1800	KGAN-2	IA	Cedar Rapids, calls	0830	<u>CKSA-2</u>	AB	Lloydminster, ID
1959	<u>KSRE-6</u>	ND	Minot, Prairie Pub TV	0835	KTVQ-2	MT	Billings, Q-2
<u>July 1, 2001</u>		Es		0853	<u>CITL-4</u>	AB	Lloydminster CTV AM
1658	CICT-2	AB	Calgary	0857	<u>CFRN-3</u>	AB	Edmonton CTV AM
1700	KDTN-2	TX	Denton, calls	u/KVBC zero offset			
<u>July 4, 2001</u>		Es		0857	CICT-2	AB	Calgary, religion
0900	unID-2	SS, Sesame St.		0911	<u>CFSK-4</u>	SK	Canada worldvision
0905	<u>KBEJ-2</u>	TX	Fredericksburg, UPN	1629	KPRC-2	TX	Houston, ID
0919	unID-2	SS, Variety		1900	KDTN-2	TX	Denton, ID
<u>July 5, 2001</u>		Es		1900	KDFW-4	TX	Dallas, Fox 4
1520	unID-2	Mexico, SS		<u>July 14, 2001</u>		Es	
<u>July 7, 2001</u>		Es		1025	KETS-2	AR	Little Rock, AETN
0845	KMOVt-4	MO	St. Louis, CBS	<u>July 15, 2001</u>		Es	
0859	<u>KMOS-6</u>	MO	Sedalia, ID	2107	unID-2	Oakland?	Fox-PDT
0928	KJRH-2	OK	Tulsa, ads	<u>July 16, 2001</u>		Es	
1005	KOTV-6	OK	Tulsa, Nx promo	0807	unID-2	SSE-Mexico	weak
1006	KETSt-2	AR	Little Rock, PBS	1605	unIDs-2,4	SSE-Mexico	weak
1007	KFORt-4	OK	Oklahoma City, NBC	<u>July 17, 2001</u>		Es	
1059	KACV-2	TX	Amarillo, ID	1610	unIDs 2,4	East	
2008	KOTV-6	OK	Tulsa, call	<u>July 18, 2001</u>		Es	
2020	KJRH-2	OK	Tulsa, Wx,nx	0731	<u>XHUPN-2</u>	TAM	Matamoros, UPN-2
2102	KPRC-2	TX	Houston, ID	0758	unIDs-4,6	Mexico	same net
<u>July 8, 2001</u>		Es		0800	KPRC-2	TX	Houston, ID
0958	<u>KAID-4</u>	ID	Boise, ID Pub TV	0842	<u>XHCK-4</u>		Canal Cinco
0959	KBCI-2	ID	Boise	0902	<u>XHI-2</u>	SN	Los Mochis
<u>July 9, 2001</u>		Es		"Xmitting from Sinalo, Mexico"			
2000	KETS-2	AR	Little Rock, AETN	1657	KUSD-2	SD	Vermillion, wx PTV
2003	KARK-4	AR	Little Rock, Nx,wx	1827	<u>KCEN-6</u>	TX	Temple, calls
2004	KDFW-4	TX	Dallas, Ft Worth, Fox4	1829	KTBSt-3	LA	Shreveport ABC
2036	KBEJ-2	TX	Fredericksburg, UPN2	u/KVBC-3, 10 kHz offset			
<u>July 10, 2001</u>		Es		1900	KMOL-4	TX	San Antonio, calls
0810	unIDs-2	East		1950	unID-2	East	, Star Trek NG
0828	unID-2	East	PBS	1956	KARK-4	AR	Little Rock, calls
0829	unID-2	East	, CBS	2035	KPRC-2	TX	Houston, ID
1645	KDFWt-4	TX	Dallas, Ft Worth, Fox4	<u>July 19, 2001</u>		Es	
1647	KBEJ-2	TX	UPN-2 triangle	0800	KDFW-4	TX	Dallas/FtWorth Fox4
1656	CKCK-2	SK	Regina SK wx,CTV	0857	KQTV-2	MT	Billings, Q2
1657	KMOL-4	TX	San Antonio	<u>July 21, 2001</u>		Es	
1800	KDTN-2	TX	Denton, calls	1831	unID-2	East	, Fox
<u>July 11, 2001</u>		Es		1907	KSNC-2	KS	Great Bend, KSN nx
1657	unIDs-2,4	Mexico	SS	2001	KBEJ-2	TX	Fredericksberg, UPN
1658	KMOLt-4	TX	NBC, local 4 nx prom	2013	KPRC-2	TX	Houston, nx
1758	KDTN-2	TX	Denton, calls	<u>July 22, 2001</u>		Es	
1759	KUSD-2	SD	Vermillion, SD PTV	0935	unID-2	Canada?	Worldvision
1929	unID-4	East/NE	Star TrekTNG	1039	unID-2	Canada	Canadian ad
1933	KLBY-4	KS	Colby, t-storm warn	1059	KREM-2	WA	Spokane, calls
1950	<u>WDAF-4</u>	MO	Kansas City, loc wx	<u>July 23, 2001</u>		Es	
1956	<u>KOMO-4</u>	WA	Seattle, calls, loc nx	1608	unIDs-2	Mexico	, two SS stns

1626	unID-4	Mexico, SS
2029	KMOL-4	TX San Antonio, promo
2033	KQTV-2	MO St. Joseph ads
2130	KBEJ-2	TX Frederickberg, ads
2133	<u>KMID-2</u>	TX Midland, Big 2 nx pr
<u>July 27, 2001</u>		
	Es	
1654	KQTV-2	MO St. Joseph ads
1654	KSNC-2	KS Great Bend, storm w.
1658	WDAF-4	MO Kansas City, Fox 4
1700	<u>KCTV-5</u>	MO Kansas City
	0 offset u/KVVU	
1800	KGAN-2	IA Cedar Rapids, calls
1800	<u>WHBF-4</u>	IL Rock Island, calls
<u>August 1, 2001</u>		
	Es	
0726	<u>KOCT-6</u>	NM Carlsbad KOAT-7
0728	<u>KWAB-4</u>	TX Big Spring KWES-9
0729	KBEJ-2	TX Fredericksberg, UPN
0854	KPRC-2	TX Houston, calls, ads
0924	<u>XHIT-4</u>	CI Chihuahua, local pgm
<u>August 7, 2001</u>		
	Es	
1657	<u>CJFC-2</u>	BC Pritchard, AgriBiz
1730	CKCK-2	SK Regina, wx, CTV
1800	CKAL-1 (-2)	AB Lethbridge "A ch."
<u>August 9, 2001</u>		
	Es	
2020	CFCN-4	AB Calgary, promo
2034	CKAL-1(-2)	AB Calgary A ch.
2234	CKSA-2	AB Lloydminster, calls
<u>August 11, 2001</u>		
	Es	
0733	unID-2	SSE Mexico SS Variety
0748	unID-4	SSE Mexico SS cartoons
<u>August 17, 2001</u>		
	Es	
2027	unID-4	MO
2033	KGAN-2	IA Cedar Rapids, calls
2131	KTVI-2	MO St. Louis, ads

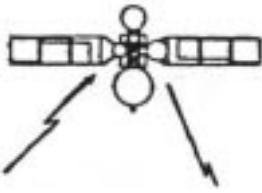
<u>August 18, 2001</u> Es		
0708	unIDs-2,4	N.East ch4 ABC
0743	unID-2	Canada, BC,AB?
	¾ cb, Natl	<u>Anthem@0756</u>
0817	<u>KATU-2</u>	OR Portland, wx,nx,calls
<u>August 22, 2001</u> Es		
1756	unID-2	East ABC (KMID?)
1825	unID-4	East
1830	KDTN-2	TX Denton, ID
<u>August 23, 2001</u> Es		
0756	WOWT-6	NE Omaha, wx, calls
0800	KQTV-2	MO St. Joseph KQ, ads
0801	KSNB-4	NE Superior, 4-17 ID
1927	<u>CKND-TV-2</u>	MB Minnedosa, global
<u>August 24, 2001</u> Es		
0002	KPRC-2	TX Houston Nx
0750	unID-2	East PBS "Arthur"
0831	unID-2	East "Matlock"

A very productive Es season—the best in many years. On 5/28, ch 2 would seem to be WESH-2 w/audio only about smoky driving conditions & health warnings, as per the fires that were going on in central FL then. 7/18 into Mexico with no listing for a "XHCK" if I'm understanding that it's a ch 5 station repeating on ch 4 somewhere. 8/7 CJFC on ch 2 in with viewable video & audio—maybe something new to air other than CJFC-TV-19. It would be hard to believe a 10 Watt (ERP?) station would make the trip—in all by itself for a few minutes.

Spent lots of this Es time on FM. Not a bad location considering all the local TV & FM. Doing better than I thought I would here.

**INSTANT CLUB NEWS AND
REAL TIME SKIP/TROPO INFO
ON THE WTFDA LIST/REFLECTOR**
Send an email to wtfda-subscribe@topica.com
Keep in touch with DX and your club!

Satellite News



George W. Jensen
4604 Anntana Ave.
Baltimore, MD 21206-4220

There may be a dry spell in the area of new services for a while, so for the next several issues, I'll do a review of the satellites and their services. It is this review that I am usually giving the additions and corrections to anyway and if no one has this - this may make more sense to them.

GE 8 - the old "AURORA" 139W 2001 - 15 year life – 20 watt transponder power. This is out of range of my location, but is mostly beamed to Alaska anyway

GE7 - 137 W - November 2000 - 15 years - 20 watt transponders - 24 C-Band

1 - NEW -BBC America	12 - feeds
2 - KMGH Ch7 - ABC Denver VC2	14 - KUSA Ch9 NBC VC2
4 - feeds	19 - Fox Net VC2
5 - KDVR Ch31 -FOX - Denver VC2	23 - KWGN - Ch 2 - The WB - Denver VC2
6 - KCNC Ch4 - CBS – Denver VC2	AUDIO SUBCARRIERS
7 - FX Channel East VC2	5 - Reading Service of the Colorado
8 - NBC Feeds - MPEG audio only heard	Rockies 5.58
at one time	7 - Talk Radio Network 8.00
9 - feeds	

SATCOM C4 135 W August 31,1992 – 12 years 17 watt transponders - 24 of them.

1 - American Movie Classics VC2	21 - Discovery – East VC2
2 - Feeds 3 – Nickelodeon East VC2	22 - Flix -East VC
4 - DIGITAL - Scrambled MPEG 2	23 - VH1 VC2
Univision services	24 - CMT Country Music Television VC2
5 - MPEG The California Channel -	100 - Plex East
3783V/3000	101 - Plex Mountain
6 - History Channel West VC2	102 - Plex West
7 - Bravo VC2 8 - DIGITAL - Starz	103 - Starz Mountain
Encore Suite 4DTV 100-109	104 - Encore Mountain
8 - QVC Shopping Network	105 - Encore West
10 - Home Shopping Network	106 - Starz Theater West
11 - Speedvision VC2	107 - Black Starz West
12 - Tech TV	108 - Starz Family West
13 - Travel Channel VC2	109 – WAM West
14 DIGITAL - misc services	601 - TV Games Network
15 – Animal Planet VC2	860 - Latin Contemporary DMX
16 - DIGITAL DMX Latino 4DTV 860 - 867	861 - Fiesta DMX
17 - MTV East	862 - Rock En Espanol DMX
18 - DIGITAL - In Demand Pay-Per-View -	863 - Latin Jazz DMX
Digicipher not on 4DTV map try generic	864 - Regional Mexican DMX
19 - C-Span 2 also C-Span Extra on MPEG	865 - Tejano DMX
Powerview is not free to view	866 - Salsa DMX
20 - Sundance Channel - East VC2	867 - Music of the Americas DMX

That's all for this month - '73's and **Pray** George

Weather Radio DX

Matthew C. Sittel
15013 Eureux Circle
Bellevue, NE 68123
mcsittel@home.com

October 2001

November 2001 column deadline: Oct 12

Some of you may remember a VUD column devoted to the 162 MHz band that I edited back in the late 1980s called NWS News. This is a revival of that column, with a new name, as the old moniker doesn't adequately reflect the planned contents of the column. Weatheradio Canada is much larger than 15 years ago, and the U.S. network has probably doubled in size since then (now about 640 stations). Plus the network is still expanding rapidly. In addition, I've noticed a number of loggings in the FM DX columns; clearly there are others interested in that band. So now seems like a good time to bring this column back to the pages of the VUD. In addition to weather radio DX (WRDX, for short), this column will spotlight new stations signing on the air and present news of planned network expansions. Any information you have on new stations or DX... send it in!

My NOAA Weather Radio station list is available on-line at: <http://members.home.net/mcsittel/nwstable.htm>. This is where you can get the most up-to-date network information changes, as I update that list frequently.

New stations on the air (since approximately August 1, 2001):

location st city	freq 162.	stn. calls	power watts	programming office
AZ Kingman	425	KXI83	100	Las Vegas, NV
AZ Lake Havasu City	400	KXI84	100	Las Vegas, NV
KS Blue Rapids	425	KZZ67	N/A	Topeka, KS
KY Owensboro	475	KZZ61	300	Paducah, KY
MI Mount Pleasant	525	KZZ33	1000	Grand Rapids, MI
MN Appleton	550	KXI32	1000	Aberdeen, SD
MO Branson	550	KZZ43	1000	Springfield, MO
MO Cape Girardeau	550	KXI93	300	Paducah, KY
MO Carrollton	450	KZZ34	1000	Kansas City, MO
MT Lewistown	500	KZZ54	100	Great Falls, MT
UT Bear Lake/Garden City	500	WXL63	25	Salt Lake City, UT

Matthew C. Sittel, 15013 Eureux St., Bellevue, NE 68123

mcsittel@home.com

Equipment: Bearcat 210-XLT scanner, Winegard PR-5030 VHF antenna at 32', whip antenna, ICOM R-10 handheld scanner for mobile DX.

<u>8/2 tr</u>											
0600	WXM35	.450	KS	Hays	236	2216	WXM91	.500	WI	Park Falls	439
										local conditions for Phillips, ID	
<u>8/3 tr</u>						8/6 tr					
0530	WZN82	.450	NE	Valentine	268	2122	WXJ87	.550	WI	Madison	355
						2228	KXI41	.500	IL	Crystal Lake	399
<u>8/4 tr</u>						2233	WWG86	.500	WI	Pr. du Chien	285
0640	KXI75	.525	SD	Brookings	234	8/7 tr					
0650	KXI50	.500	MN	Russell	223	2118	KXI39	.525	MN	New Ulm	235
0650	WXM27	.550	SD	Huron	271	8/26 tr					
1119	<u>KXI32</u>	.550	MN	Appleton	284	2218	KZZ67	.425	KS	Blue Rapids	105
2145	WXM49	.425	IL	Marion	443					local conditions for Manhattan	
2300	KEC65	.550	MN	Minneapolis	301	2220	WXM35	.450	KS	Hays	236
2302	<u>KZZ39</u>	.500	MO	Clinton	221	2225	KXI50	.500	MN	Russell	223
				local conditions for Sedalia		8/27 tr					
2307	<u>KXI31</u>	.450	MN	Jeffers	208	0628	<u>KZZ34</u>	.450	MO	Carrollton	175
				ID, local conditions for Windom		0632	<u>WWH22</u>	.500	KS	Beaumont	245
<u>8/5 tr</u>										local conditions for Winfield	
2120	WXL22	.425	IL	Princeton	329	0718	WWH38	.500	OK	Grove	327
2138	<u>WXJ73</u>	.550	IL	Rock Island	279					forecast for extreme southwest MO	

A superb month of tropo DX. My Bellevue log total is now up to 71 stations. The Blue Rapids, KS station is quickly becoming a pest. That will be nothing compared to the planned IA and NE NWR network expansions.

A short first column, just to give you an idea of the content to expect. Please contribute to WRDX! 73s Matt.

SOUTHERN OFM DX



John Zondlo
4009 Driftwood Circle
Yukon, OK 73099
e-mail: Jpzondlo@aol.com
Deadline: 10th

For DXers in AL, AZ, AR, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MS, MO, NV, NM, NC, OK, SC, TN, TX, UT, VA, WV, Cuba & Mexico

October 2001

Mike Hawk
Boulder, CO
MDT

Kenwood KT-815 (IF modified) w/6 element yagi indoors

7/8 Es

0725-0750 Es in and out to 89.9
0815 XHCTO 93.1 DU Gomez Palacio, SS, "Estereo Hits"
0818 XHAHC 90.9 CH Chihuahua, ID, "Super estelar la caliente"
0848 KOOJ 93.7 LA New Iberia, "Oldies 93.7"
0850 KRVS 88.7 LA Lafayette, sounded like Creole programming
1230 WZGC 92.9 GA Atlanta, "Z-93, Atlanta's classic rock"
1231 WMGB 93.7 GA Jeffersonville, ad for Macon Place, "B-93.7"
1250 WMHK 89.7 SC Columbia, ID
1254 WFBC 93.7 SC Greenville, "B-93.7, the Carolina's choice for today's Best music"
1300 WFAE 90.7 NC Charlotte, NPR, ID
1320 WEKht 90.9 KY Hazard, NWS wx warnings for area counties
1336 WVLK 92.9 KY Lexington, local ads (Performance Kia, Hoover's Furniture), ment of Lexington
1400 Es leaves
1530 Es returns
1600 WGLE 90.7 OH Lima, ID as part of a network

7/8 Ms

1601 KOSU 91.7 OK Stillwater, "Oklahoma's award winning public radio"
7/9 Es (MUF 107.3)
0947 WLLK 93.9 KY Burnside, "Lake 93.9," ment of Lake Cumberland tourist activities
0956 WQIO 93.7 OH Mt. Vernon, top 40, "93-Q"
0959 WGLE 90.7 OH Lima, "FM-91" ID, ment of wgte.org
1000 WPIR 88.1 NC Hickory, popped in w/an ID
1001 WEMU 89.1 MI Ypsilanti, ID
1005 WKUZ 95.9 IN Wabash, promo for Tradio at 0830, ID, "The station on top of the country, WKUZ"
1009 WDBA 107.3 PA Dubois, local talk, ment of Ridgeway and Brockway

1014 WRRN 92.3 PA Warren, wx for the Chautauqua area
1030 WOSU 89.7 OH Columbus, ID, time check, ment of website URL
1118 WXLK 92.3 VA Roanoke, "K-92," "#1 Hit music station," local ads
1125 unID 88.3 ?? ??, mention of a Dodge dealer sponsor 2866-BIG-DODGE then rel programming. That 800 number is always busy when I try calling.
1126 unID 92.3 ?? ??, "The new 105.7 The Fox," classic r
1132 WFGH 90.7 WV Fort Gay, numerous IDs back to back
1135 unID 89.7 ?? ??, call in talk show about plant care, RDS PI=C007
1150 WVPW 88.9 WV Buckhannon, RDS "WVPR-Buk," PI=BF01
1159 WOUB 91.3 OH Athens, network ID
1159 WOUL 89.1 OH Ironton, caught end of "Ohio University Public Radio"
1200 WCVV 89.5 OH Belpre, ID
1200 WCBE 90.5 OH Columbus, ID, mention of wcbe.org
1203 WFCJ 93.7 OH Miamisburg, address given as "PO Box 937, Dayton"
1220 WBCM 93.5 MI Boyne City, missing persons update urging people w/info to call Boyne City Police
1221 CHUR 100.5 ON North Bay, "North Bay's Easy Rock 100.5"
1229 WXTM 92.3 OH Cleveland Heights, "Extreme Radio"
1231 WZAK 93.1 OH Cleveland, r&b, ID
1233 unID 92.7 ?? ??, top 40/r&b, "U-92"
1236 WBCY 89.5 OH Archbold, RDS, PI=578B
1242 WAUS 90.7 MI Berrien Springs, RDS "WAUS 90.7," PI=56C2
1246 CIMX 88.7 ON Windsor, r, "89-X"
1251 WMXD 92.3 MI Detroit, ad for Great Lakes Crossing and metro Detroit Ford dealers, "Mix"
1252 CKUE 94.3 ON Chatham, "The Rock 94.3," ad w/a .ca URL given
1309 WLGH 88.1 MI Leroy Township, "The Light," traffic rpt
1310 WDBM 88.9 MI East Lansing, phone number 355-4237 given, wx
1321 CBCL 93.5 ON London, RDS "CBCL," PI=9953
1854 WCWV 92.9 WV Summersville, RDS "C93-WCWV," PI=5C41
1858 WMKY 90.3 KY Morehead, ID
1900 WCPE 89.7 NC Raleigh, asking for donations, mention of wcpe.org
1902 WVTB 89.1 VA Roanoke, ID w/rest of network, mono!
1912 WVLK 92.8 KY Lexington, "K-93," local ads (verify in notes)
1913 WDHR 93.1 KY Pikeville, "All the best country,"

93.1," ID later
1914 WYGE 92.3 KY London, RDS "WYGE," PI=94A8
1915 KTBZ 94.5 TX Houston, Houston ads
1917 unID 94.5 ?? ??, RDS PI=8308
1935 KUT 90.5 TX Austin, ID, "Blue Monday"
1937 KHHL 98.9 TX Lampassas, RDS
"THEHILL," PI=233D
1940 KTND 107.7 TX Georgetown, Round Rock vs
Midland baseball, "Austin's
80's Channel"
1943 KQBT 104.3 TX Taylor, ID w/Denver (both
were audible simultaneously)
1944 KLBJ 93.7 TX Austin, "More rock per
gallon, 93.7 KLBJ"
1947 KROX 101.5 TX Buda, ad for Austin
Community College
1950 KHLB 107.7 TX Burnet, k, ID
1951 KQQT 106.3 TX Gonzales, RDS "106.3 FM,"
PI=173E, mention of "#1 Tejano station in central Texas"
1952 KLUB 106.9 TX Bloomington, ad for store in
Port Lavaca, ID
1956 KNLE 88.1 TX Round Rock, "Candle 88"
1958 KVDT 90.7 TX Victoria, South Texas Public
Radio
1959 KEDT 90.3 TX Corpus Christi, South Texas
Public Radio //KVDT
1959 KLUX 89.5 TX Robstown, ID ment
Robstown and Corpus Christi
2000 KYFS 90.9 TX San Antonio, SS ID, "La
Nueva 92.9, estereo Latina"
2007 KCLG 107.3 TX Ingleside, "Groovin' Oldies"
2009 KTFM 102.7 TX San Antonio, ID after rap mx
2010 KLMO 98.9 TX San Antonio, "K-Alamo," SS
mx
2012 XHMLS 91.3 TM Matamoros, SS, ment of
Matamoros
2031 XHAAA 93.1 TM Reynosa, SS ads for
Reynosa businesses
2038 WVAS 90.7 AL Montgomery, RDS "WVAS,"
PI= EEEE
2040 KTER 90.7 TX Rudolph, SS local talk,
ments of Harlingen, TX #90
2100 KHID 88.1 TX McAllen, "Classic 88"
2100 KMBH 88.9 TX Harlingen, //KHID
2102 WTUG 92.9 AL Tuscaloosa, ads, mention of
concert at Stillman Football
Field
2105 WTSU 89.9 AL Troy, RDS "WTSU,"
PI=BA01
2106 WAPR 88.3 AL Selma, Alabama Public
Radio
2130 KBMQ 88.7 LA Monroe, "The Cross"
2132 WAOY 91.7 MS Gulfport, RDS "WAOY," PI=562C

7/10 Ms
0714 WIAA 88.7 MI Interlochen, RDS PI=69C8,
c, about a 20 second burst
1635 WHRM 90.9 WI Wausau, RDS PI=68EA, 5
second burst

7/10 Es MUF 107.7
1015 KXPR 90.9 CA Sacramento, ID
1015 KNIS 91.3 NV Carson City, rel, RDS
"Pilgrim," PI=3336
1016 KNHK 92.9 NV Reno, RDS "THEHAWK,"
PI= 0000, looks like they didn't set their PI code
1019 KWOD 106.5 CA Sacramento, Boomer and
the Dave morning show, r
1020 KEAR 106.9 CA San Francisco, r, RDS PI=1AA1, got "KEA" in radio text
1020 KRNO 106.9 NV Reno, "Sunny 106.9," mixing
w/KEAR
1029 KUNR 88.7 NV Reno, ID
1037 KXJZ 88.9 CA Sacramento, ID, Capital
Public Radio mention
1059 KEDR 88.1 CA Sacramento, Family Radio,
ID

1507 WRAF 90.9 GA Toccoa Falls, RDS "WRAF-
FM," PI=EEEE
1820 XAHAC 90.9 CH Chihuahua, local ads, "Super
estelar" left with MUF at 93.7
7/11 Tr
0802 KPRD 88.9 KS Hays, "Praise Radio," SRN
nx
0810 KSLS 101.5 KS Liberal, k, "Twister 101.5"
0815 KLDG 102.7 KS Liberal, k, "The Legend"
0824 KHYM 103.9 KS Copeland, ID, Great Plains
Christian Radio
7/11 Es (MUF 107.7)
1645 WTSU 89.9 AL Troy, RDS ID
1650 WVAS 90.7 AL Montgomery, RDS ID
1655 WAUMt 91.9 MS Duck Hill, "Mississippi
Connection," AFR program
1657 WDJC 93.7 AL Birmingham, local ads,
Christian related ads
1658 WBHM 90.3 AL Birmingham, RDS ID,
PI=580E
1659 WKNA 88.9 MS Senatobia, ID as part of "The
WKNO stations"
1700 WLBF 89.1 AL Montgomery, "Faith Radio"
1701 WMAV 90.3 MS Oxford, ID
1702 WTUG 92.9 AL Tuscaloosa, end of ID "....
Tuscaloosa"
1703 WEZZ 97.7 AL Clanton, "Gospel Variety
Time," mention of sponsor off I-65 and one in Maplesville
]1703 WHKL 106.9 MS Crenshaw, o, "Cool 107"
1712 WVIV 93.9 MS Pearl, nos mx, ID, then a
light AC/EZL song
1720 KMYY 106.1 LA Monroe, "Y-106," k, RDS ID
"KMYY," PI=3238
1724 WYKK 98.9 MS Quitman, k, "K-98"
1725 KHLL 100.9 LA Richwood, ad for Northeast
Net ISP at 324-2114,
"Positive____ Radio" and "Hill" slogan
heard
1726 WTYJ 97.7 MS Fayette, ID
1731 WWNO 89.9 LA New Orleans, ID
1750 unID 88.1 ?? ??, "The Joy FM," probably
Bradenton FL, but that's
1560 Miles
1752 WYNU 92.3 TN Milan, RDS PI=956E, "Power
92" in radio text
1755 WAOY 91.7 MS Gulfport, RDS ID
1755 KARG 91.7 OK Poteau, RDS ID "KARG,"
PI= 11C0, AFR programming
1759 WCKW 92.3 LA LaPlace, "The Point"
1859 KHID 88.1 TX McAllen, end of "Simply
Scottish" program
1901 XHCAO 89.1 TM Reynosa, SS, full ID at top of
hour
1958-2005 Es returned at 88.1, 89.5 and 90.1 w/no lds
7/12 Es MUF 107.7+
0925 WEAS 93.1 GA Savannah, "E-93," forecast
for Savannah, 1453 miles
0935 WVAS 90.7 AL Montgomery, RDS ID
0941 WAFN 92.7 AL Arab, "Fun 92.7"
0950 WBHM 90.3 AL Birmingham, local concert
info at a church
0950 WTUG 92.9 AL Tuscaloosa, r&b, ID
0952 WTSU 89.9 AL Troy, RDS ID
1000 WAOY 91.7 MS Gulfport, ID
1001 WPPT 94.5 FL Panama City, r, ID
mentioning Clear Channel
1007 KISR 93.7 AR Fort Smith, "Kisser 93"
1010 WYCL 107.3 FL Pensacola, "Cool 107, o,
RDS PI=9447
1014 WJMI 99.7 MS Jackson, "99 Jams"
1015 WHER 99.3 MS Heidelberg, o, "Eagle 99.3"
1015 WTKX 101.5 FL Pensacola, RDS PI=87EF
1016 WXBM 102.7 FL Milton, k, ID
1020 KMLK 101.5 AR El Dorado, ID
1021 WAKH 105.7 MS McComb, "K-106," ment of
Hwy 24 and town of Liberty
1023 KKBI 106.1 OK Broken Bow, k, ID, "Best"

1030 KFRQ	94.5	TX	country 106," 585 miles Valley's	7/13 Es MUF 93.7		Stage," //internet feed
			home of rock and roll"	1000 WJWJt	89.9	SC Beaufort, SC programming, NPR nx, no ID at ToH
1039 KTUX	98.9	TX	Carthage, RDS "99X Rock," PI=	1040 CBLG	89.1	ON Geraldton, CBC, RDS ID "CBLG," PI=CBLG
			444B	1050 CBQT	88.3	ON Thunder Bay, CBC, RDS ID "CBQT," PI=3147
1049 KOOJ	93.7	LA	New Iberia, "Oldies 93.7," local	1100 KMPR	88.9	ND Minot, RDS "KMPR," mention of
1050 KSWP	90.9	TX	Lufkin, ID, CCM			Prairie Public Radio
1054 KTYL	93.1	TX	Tyler, "Jammin' oldies 93.1," ment of	1110 WRAF	90.0	GA Toccoa Falls, RDS "WRAF-FM"
<u>www.jammin931.com</u>				1800 WPLN	90.3	TN Nashville, ID
1057 KIVY	92.7	TX	Crockett, ID	<u>7/14 Es MUF 107.7</u>		
1059 KTXB	89.7	TX	Beaumont, Family Radio, ID	1122 XHQC	93.5	CL Saltillo, "Estereo Saltillo"
1059 KVLU	91.3	TX	Beaumont, mention of Lamar University, ID	1130 unID	90.9	??, SS talk, mentions of Saltillo, in/out w/89.5 (89.5 had
1100 KYFP	89.1	TX	Palestine, ID, SRN nx			poor audio
1101 KNTU	88.1	TX	Denton, "...Louis Armstrong month on KNTU"	1138 XHXL	91.7	NL Monterrey, "La experiencia," EE
1110 KCBI	90.9	TX	Dallas, RDS ID "KCBI-FM," PI=156A			mx
1112 KTSU	90.9	TX	Houston, local talk, ID	1350 WVAS	90.7	AL Montgomery, RDS ID
1113 KTBZ	94.5	TX	Houston, "94-5 The Buzz"	1358 WYYX	97.7	FL Bonifay, r, ad for Horton Homes,
1114 KAXF	88.5	TX	Conroe, RDS ID "KAXF," PI=			ment of Hwy 77
			12B5, rel	1407 WRJM	93.7	AL Geneva, ID, wx
1116 KKRW	93.7	TX	Houston, "Classic rock 93.7, the	1408 WTSU	89.9	AL Troy, RDS ID
			Arrow"	1414 WAAC	92.9	GA Valdosta, local ads, ID, k
1124 KQQK	106.5	TX	Galveston, "Tejano 106," EE ID, except CLs in SS	1420 WLWI	92.3	AL Montgomery, ID, sounded like
1131 KTTX	106.1	TX	Brenham, "K-Tex 106," k			"I-92" slogan
1135 KLUB	106.9	TX	Bloomington, ad for Whispering	1423 WTNT	94.9	FL Tallahassee, 2 stations, caught
			Creek Shopping Center, "106.9			"TNT" in the mix
			The Rock"	1430 WKZ	92.7	GA Dublin, local ads (Micromanagement Systems in
1155 KTND	107.7	TX	Georgetown, presumed with Austin area ads, would be a relog			Dublin)
1157 KYOX	94.3	TX	Comanche, ag calendar, Public	1436 WGHM	90.3	AL Birmingham, c, RDS ID
			of event at Cross Plains	1441 WDJC	93.7	AL Birmingham, local ads (SE Bible
			Library			College)
1158 KHHL	98.9	TX	Lampassas, RDS ID	1458 WAPR	88.3	AL Selma, AL Public Radio ID
1200 KHFI	96.7	TX	Georgetown, ID, only caught "KHF," Texas #100	1459 WDCO	89.7	GA Cochran, //88.1 and internet, GA Public Radio ID
1201 KEDT	90.3	TX	Corpus Christi, RDS ID "KEDT,"	1459 WJSP	88.1	GA Warm Springs, //89.7 and internet
			PI=1AF1	1500 WFSU	88.9	FL Tallahassee, "FM 88.9" slogan
1203 KVCQ	97.7	TX	Cuero, ID //KHLT-AM and 99.9			and ID
			and 92.7 (?) FM	<u>7/15 Es MUF 101.5</u>		
1205 KFTX	97.5	TX	Kingsville, k, ID	1554 WBLX	93.7	AL Mobile, "93 BLX"
1206 KNCR	101.3	TX	Sinton, r, "C-101"	1559 WUWF	88.1	FL Pensacola, ID, heard later w/ID
1207 KTFN	102.7	TX	San Antonio, ID			in a Car Talk break
1254 WWOZ	90.7	LA	New Orleans, ID	1600 WMBU	89.1	MS Forest, full ID at ToH, Moody programming
1255 WTIX	94.3	LA	Galliano, "Tix-FM," o	1607 WMJY	93.7	MS Biloxi, "Magic 93.7," DJ name
1920 arrived home to find Es in progress						Gina Davidson
1925 KHTQ	94.5	ID	Hayden, local ads, mention of	1609 WAOY	91.7	MS Gulfport, SS, salsa mx, RDS ID
			Lake Couer D'Alene and Spokane			1615 WTSU
1930 KEZE	96.9	WA	Spokane, 80's mx, local Boulder pirate is off the evening	89.9	AL Troy, RDS ID	
2000 KSOH	89.5	WA	Wapato, ID	1617 WVAS	90.7	AL Montgomery, RDS ID
2230 KNIS	91.3	NV	Carson City, RDS ID "Pilgrim,"	1620 WWNO	89.9	LA New Orleans, ID "from New Orleans University"
			PI=3336	1621 WRBHt	88.3	LA New Orleans, reading for the blind (TV listings)
2231 KKTO	90.5	CA	Tahoe City, ID at tune in	1657 WMAO	90.9	MS Greenwood, "PRM" ID and CL
2232 KZYX	90.7	CA	Philo, local talk/call-in show discussing Mendocino			ID
county				1659 WMPN	91.3	MS Jackson, PRM ??90.9
2244 KVMR	89.5	CA	Nevada City, local musician promoting show at "Sierra	1702 KABF	88.3	AR Little Rock, Arkansas Travelers
				1729 WAJS	90.9	MS baseball
						Tupelo, in briefly, mention of

1730 WJAB mention	90.9	AL	Tupelo and ID Huntsville, in w/WAJS, of a Huntsville/Madison County youth event, ID "the station that cares, WJAB"	1320 WZAQ w/"WZAQ,"	92.3	KY	Louisa, back again your new Q-93," k
7/16 Es MUF 106.9				1325 WWGMt	93.1	TN	Alamo, "Good News 93.1"
0940 WZAQ	92.3	KY	Buick Louisa, presumed with local ads (John Gray Pontiac GMC @ 800-346-4066)	1328 WDHR	93.1	KY	Pikeville, ID, wx
0941 WEKEE	100.5	WV	Huntington, "100 Key FM"	1334 WRSA	96.9	AL	Decatur, "Lite 97 WRSA," heard in car in Boulder
0945 WDGG	93.7	KY	Ashland, local ads, ID, RDS PI=5D36	1330-1500			Had to leave. Es was present every time I checked the car radio between 1330 and 1500
0950 WCWV	92.9	WV	Summersville, RDS ID	1748 WGUC	90.9	OH	Cincinnati, back again, strong enough to get RDS ID
1024 WAUS	90.7	MI	Berrien Springs, c, RDS ID	1753 WXIZ	100.9	OH	Waverly, Chillicothe Paints vs Canton minor league
1026 WXKR	94.5	OH	Port Clinton, "Toledo's original classic rock," caught "XKR" as it was fading out	baseball			
1055 WUBS	89.7	IN	South Bend, local address given	1755 WSDM	97.7	IN	Brazil, "Wisdom 97.7"
1110 CIMX	88.7	ON	Windsor, "89X," r	1756 WEBN	102.7	OH	Cincinnati, ID, ad for "Lunatic Fringe Fest" (?)
1127 WXHQ	96.9	TN	Bristol, ID, k	1758 WMKY	90.3	KY	Morehead, ID
1131 WQUT	101.5	TN	Johnson City, RDS PI=8103	1800 WNLU	89.9	KY	Highland Heights, ID
1136 WIKY	104.1	IN	Evansville, "Best variety of <fade> 104 FM, WIKY"	1804 WDJX	99.7	KY	Louisville, RDS ID "997 DJX"
1138 WAMZ	97.5	KY	Louisville, ad for Louisville Chevy dealer, relog	1807 WVEZ	106.9	KY	Louisville, RDS ID "WVEZ"
1140 WYJZ	100.9	IN	Lebanon, local ads, including Citizens National Bank of Lebanon	1808 WKYK	104.9	KY	Frankfurt, ID //WFKY and 1490 AM, some listings show them As WKYK
1142 WQUL	97.7	IL	West Frankfurt, "The Bear 97.7," classic r, ment of Carbondale	1809 WPAY	104.1	OH	Portsmouth, "Power Country 104"
1144 WCVK	90.7	KY	Bowling Green, Bowling Green Christian Academy ad, ID	1810 WAXZ	97.7	OH	Georgetown, ID, wx, k
1145 WYGE	92.3	KY	London, RDS ID	1811 WTTS	92.3	IN	Bloomington, "Quality rock for Indianapolis"
1147 WLLK	93.9	KY	Burnside, "Lake 93.9"	1813 WLGC	105.7	KY	Greenup, "Hot Country 105.7"
1152 KSD	93.7	MO	St. Louis, local ads, "93.7 the Bull"	1814 WRZQ	107.3	IN	Greensburg, "Q-Mix 107 dot 3"
1155 WNIN	88.3	IN	Evansville, end of c mx, ID	1815 WQXX	106.1	KY	Morehead, "Double X 106.1"
1156 WSOF	89.9	KY	Madisonville, ID, rel pgm ad	1817 WZKF	98.9	IN	Salem, "Kiss FM," r&b/top 40-ish mx
1158 KWMU	90.7	MO	St. Louis, came out of nowhere w/ID	1820 WMOV	93.1	WV	Ravenswood, "Golden V 93, 0, 100000watts.com lists this as
1200 WUKY	91.3	KY	Lexington, ID	1825 WYMGt	100.5	IL	having changed to WLWF Jacksonville, presumed w/ Jacksonville ads, would be a Relog
1205 KFTK	97.1	MO	Florissant, ads, "Radio 97.1"	1826 WINN	106.1	IN	North Vernon, "Good time weather," "Oldies 106.1"
1206 WEKU	88.9	KY	Richmond, ID	1830 WEBX	93.5	IL	Tuscola, "Extreme Music," r
1210 WVJC	89.1	IL	Mount Carmel, Wabash Valley	1836 WCDR	90.3	OH	Cedarville, mentions of Cedarville University, rel
1211 WVLK	92.9	KY	College radio Lexington, "K-93, Kentucky's best country"	1837 WBGL	91.7	IL	Champaign, RDS ID "WBGL- FM," ID between mx cuts
1212 WMXL	94.5	KY	Lexington, RDS ID, ad for Sullivan University	1840 WGTZ	92.9	OH	Eaton, "Dayton's #1 hit music stations, the all new Z-93"
1214 WJPS ad	93.5	IN	Chandler, Evansville Otters	1842 WFMG	101.3	IN	Richmond, RDS ID "WFMG," "G-101.3" slogan
1215 WGKS	96.9	KY	Paris, "96.9 Kiss FM," soft r	1845 WGRL	93.9	IN	Noblesville, "New hit country 93.9, The Bear"
1217 WYBL	93.1	IN	Clarksville, K, "93.1, the Bull"	1848 WDPG	89.9	OH	Greenville, Dayton Public Radio ID //88.1 WDPR
1227 WWSY	95.9	IN	Seelyville, local ads, including Honeycreek Mall in Terre Haute	7/17 Tr			
1239 WTSU	89.9	AL	Troy, RDS ID	0820 K210BJ	89.9	CO	Holyoke, KUNC translator
1239 WVAS	90.7	AL	Montgomery, RDS ID	0900 K217DC	91.3	CO	Holyoke, KJLT 94.9 North Platte NE translator
1241 WRVG	89.9	KY	Georgetown, ID	7/17 Es (MUF 107.7)			
1300 WDYN	89.7	TN	Chattanooga, ID	1812 Es first noted			
1301 WGUC	90.9	OH	Cincinnati, mention of wguc.org website	1846 WHHI	91.3	WI	Highland, RDS ID
1315 WMAO programming	90.9	MS	Greenwood, PRM	1857 CBEB	89.7	ON	Manitowadage, RDS ID, PI=CB29
1317 WDEF	92.3	TN	Chattanooga, "Sunny 92.3"	1858 WAUS	90.7	MI	Berrien Springs, RDS ID
				1859 WVPE	88.1	IN	Elkhart, ID, ad for a blues show on Saturday
				1905 CFNO	93.1	ON	Marathon, ID, Broadcast

News, "Lake Superior weather"						
1907 CBLG	89.1	ON	Geraldton, RDS ID	1909 KTBZ	94.5	TX Houston, RDS, "The Buzz,"
1918 CBLJ	88.3	ON	Wawa, RDS ID, PI=CB27	PI=		8308?! 8308 translates to WROQ, but this is the second
1945 CJSD	94.3	ON	Thunder Bay, ad for Rock 20 on Saturday, "Rock 94," not Chatham (The Rock 94.3)			time I've received this from them, no PS code received
1950 CJKL	101.5	ON	Kirkland Lake, ID, wx	1910 KAXF	88.3	TX Conroe, full RDS ID
1958 WJPD k,	92.3	MI	Ishpeming, RDS ID "WJPD," PI=0CD5 invalid?	1912 KXCS	103.9	TX Cameron, "Aggieland's new music alternative, the X"
1959 CBSM	89.5	ON	Sault Ste. Marie, CBC Radio One for northern Ontario Programming	1915 KLTY	94.9	TX Arlington, ID
2002 WOJB	88.9	WI	Hayward, Native American chanting	1920 KHHL	98.9	TX Lampassas, RDS "THE HILL"
2007 WMPL	92.3	MI	Hancock, ID //920AM	1923 KIOX	96.9	TX El Campo, heard often w/tinny
2015 WIMI	99.7	MI	Ironwood, ID			k show, ads for Bay City, Freeport and El Campo
2020 WAQE	97.7	WI	Rice Lake, ID	1925 KOUL	103.7	TX Sinton, "Cool Country forecast,"
2027 WRJO	94.5	WI	Eagle River, ID, r			ad for Adam Samuel
2110 CBX R2,"	90.9	AB	Edmonton, RDS ID "CBC	Chevrolet		
			PI=CB65	1928 KNCR	101.3	TX Sinton, r, "C-101"
2140 Es still in/out of FM 7/18 Es MUF 107.7+				1930 KZEP	104.5	TX San Antonio, "KZ-104.5," classic r, listed as "K-Zep"
1751 WZGC	92.9	GA	Atlanta, RDS ID, "Z-93"	1932 KSMG	105.3	TX San Antonio, mention of "Awesome 80's at night on Magic 105.3"
1758 WAFR	88.3	MS	Tupelo, RDS ID	1933 KQQT	106.3	TX Gonzales, SS, RDS ID "106.3
1801 WVAS	90.7	AL	Montgomery, RDS ID, very common			FM," PI=173E
1810 WKNQ WKNO	90.7	TN	Dyersburg, ID w/other stations	1942 KVMV	96.9	TX McAllen, ID and RDS ID "FM97"
				1943 XHAAA	93.1	TM Reynosa, "Super estelar"
1815 WAJS	90.9	MS	Tupelo, caught end of ID ("...AJS")	1944 KBNU	93.7	TX Uvalde, RDS "B93FM," PI=140A
1816 WKLD	97.7	AL	Oneonta, local ad for Budget Auto in Cleveland, promo for Braves baseball, then picked up the game in progress	1946 KQUR	94.5	TX Laredo, r, local DJ talk, ID sounded like "Q" or "Cure"
1821 WYNU	92.3	TN	Milan, r, RDS ID	1950 KLUX	89.5	TX Robstown, "The music sounds
1825 WMJY	93.7	MS	Biloxi, local ads (Edgewater Mall), "Magic 93.7"			better on 89.5 KLUX"
1828 WJKK	98.7	MS	Vicksburg, RDS ID "98 MIX," PI=6D7A	1953 unID	100.1	?? ??, SS dance/pop music, ID sounded like "si-e radio" (SS pronunciation..."C-A Radio w/
1830 KRVV ID	100.1	LA	Bastrop, RDS ID and regular "100.1 FM, the Bear"	1959 KVDT	90.7	TX Victoria, South TX Public Radio
			Oakdale, "Star 98.7,"	2007 XHLDOT	88.9	NL Nuevo Laredo, SS
1840 KKST mentions	98.7	LA	of Winfield and Marchville(?)	2015 XHOPE	89.7	SN Mazatlan, SS, local ads, presumed Mazatlan relogs also
1842 KZMZ Bud	96.9	LA	Alexandria, ID, wx, ad for Lite			in on 91.3 and 93.1
1843 KJAEt w/"Real	93.5	LA	Leesville, k, heard twice	7/20 Tr 0830 KQSK	97.5	NE Chadron, "Double Q Country,"
			Country" slogan			KAAQ on 105.9 also in o/Denver
1844 KMJJ	99.7	LA	Shreveport, ID	0910 KVCX	101.5	SD Gregory, weak but steady w/ rel programming
1845 KTUX Rock"	98.9	TX	Carthage, RDS ID "99X	0915 KROR	101.5	NE Hastings, classic r, "Rock 101," ID, 370 miles
1848 KSMB	94.5	LA	Lafayette, ID, dance mx	7/21 Es MUF 107.7		
1850 KVVP of	105.7	LA	Leesville, RDS ID, voice ID	1911 KAXF	88.3	TX Conroe, RDS ID
			"Country 105"	1920 KTBQ	107.7	TX Nacogdoches, ad for Joey Ross Towing in
1852 KOOI	106.5	TX	Jacksonville, "Sunny 106.5 KOOI," w/KXGM			Nacogdoches
1852 KXGM	106.5	TX	Muenster, ID, "Hit 106.5," o, w/KOOI	1925 WTSU	89.9	AL Troy, RDS ID
1855 KIOC	106.1	TX	Orange, "Big Dog 106"	1925 WVAS	90.7	AL Montgomery, RDS ID
1856 KYNG Leykis	105.3	TX	Dallas, local ads (D&M Auto Leasing, Jacobs Electronics) and promo for the Tom	1931 WTUG	92.9	AL Tuscaloosa, ID
			show	1934 KJEF	92.9	LA Jennings, "Cajun Country 92.9"
1859 KSSU	91.9	OK	Durant, ID, "Power 92"	1939 KVRX	91.7	TX Austin, alt/modern r, ad for Emo's at 603 Red River in Austin
1900 KRVS	88.7	LA	Lafayette, faded up w/2 other stations, ID	1941 KIIZ	92.3	TX Killeen, ID, gave address to submit demo tapes for on air play (address in Harker Heights
1900 KJIC	90.5	TX	Santa Fe, local address			
1901 KKYS	104.7	TX	Bryan, ID, jx			
1904 KTHP	103.9	TX	Hemphill, AP nx, Hemphill ad			

			TX	
1942 KKRW	93.7	TX	Houston, local ads	
1946 WMJY	93.7	MS	Biloxi, "Magic 93.7"	
1958 WYYX	97.7	FL	Bonifay, "97-X"	
2010 KTFM	102.7	TX	San Antonio, ID, unIDs to 107.7 at this point	
2017 KEDT	90.3	TX	Corpus Christi, RDS ID	
2019 KKBA	92.7	TX	Kingsville, "Lite Hits 92.7, K-Bay"	
2035 KHID	88.1	TX	McAllen, "Classic 88"	
<u>7/22 Ms</u>				
0647 WHRM	90.9	WI	Wausau, full RDS ID (PS & PI),	

JIM THOMAS
WDXOFBU
280 E. KATSURAST.
MILLIKEN, CO 80543
MRRADIOHEAD@QWEST.NET
MDT

<u>7/4 Tr</u>				
0709 <u>KZBZ</u>	104.9	KS	Salina, "The Buzz" 400	
0832 <u>KEYN</u>	103.7	KS	Wichita, "Oldies 103.7" 443	
0905 <u>KCKS</u>	94.9	KS	Concordia, "Kiss 94.9" 385	
<u>7/8 Es</u>				
0945 <u>KTEE</u>	103.9	CA	Seaside, ID 953	
0952 <u>KSTN</u>	107.3	CA	Stockton, ID 895	
0957 <u>KEAR</u>	106.9	CA	San Francisco, RDS "KEAR,"	
			PI=1AA1 958	
1008 <u>KGZO</u>	90.9	CA	Shafter, ID, "Radio Nueva Vida" 854	
1012 <u>KSPE</u>	94.5	CA	Gilroy, "La Musical" 930	
1015 <u>KBOQ</u>	95.5	CA	Carmel, c, "K-Bach" 959	
1024 <u>KLVC</u>	88.3	CA	Magalia, "K-Love," relog 885	
1234 <u>WJTG</u>	91.3	GA	Fort Valley, RDS "WJTG," PI=57B8 1281	
1254 <u>WEPC</u>	88.5	SC	Belton, RDS "WEPC," PI=A6C0 1288	
1301 <u>WDEB</u>	103.9	TN	Jamestown, ID, Gospel pgm 1111	
1308 <u>WNSC</u>	88.9	SC	Rock Hill, RDS "WNSC," PI=78D2 1354	
1316 <u>WDAV</u>	89.9	NC	Davidson, RDS "DAV-FM," PI=5CA9 1350	
1324 <u>WMQX</u>	93.1	NC	Winston-Salem, ID, "Oldies 93"	
			1364	
1334 <u>WIFX</u>	94.3	KY	Jenkins, relog, RDS "Foxy 93,"	
			PI=6A61 1214	
1442 <u>WMOT</u>	89.5	TN	Murfreesboro, ID, storm warning	
			from NWS 1053	
1542 <u>CBCL</u>	93.5	ON	London, RDS "CBCL," PI=9953	
			1264	
<u>7/9 Tr</u>				
2028 <u>KKCH</u>	92.7	CO	Glenwood Springs, relog, RDS	
			"KKCH," PI=2AA3	
2156 <u>KRCCt</u>	89.9	CO	Limon (Colorado Springs) 96	
2243 <u>KZKS</u>	105.3	CO	Rifle, ads for Durango	
<u>7/9 Es</u>				
1947 <u>KHPU</u>	91.7	TX	Brownwood, promo for San Angelo 681	

			7 second burst, relog
<u>7/22 Tr</u>			
2310 <u>KTNE</u>	91.1	NE	Alliance, strong, o/semi-local K-Love
2315 <u>KAAQ</u>	105.9	NE	Alliance, in o/local in Denver w/"Double-Q Country," their signal was also clear on 105.7 – apparently not a very narrow transmission
2320 <u>KVCX</u>	101.5	SD	Gregory, strong w/rel
			2325 tentative loggings of Scottsbluff NE translators on 88.7 and 89.5
1949 <u>KVRX</u>	91.7	TX	Austin, ID, website promo
803			
2035 <u>KOIR</u>	88.5	TX	Edinburg, RDS "KOIR," PI=35D9, text=Radio Esperanza 1044
2059 <u>KHOY</u>	88.1	TX	Laredo, ID 938
2103 <u>KOYE</u>	94.9	TX	Laredo, RDS "QURE_95," PI=376C 1122
2125 <u>WAOY</u>	91.7	MS	Gulfport, RDS "WAOY," PI=562C
2144 <u>WBSN</u>	89.1	LA	New Orleans, RDS "Lifesong," PI=592D 1099
<u>7/11 Es</u>			
2024 <u>KFNO</u>	90.3	CA	Fresno, concerts, happenings around central CA
2030 <u>KCRY</u>	89.3	CA	Indio, RDS "KCRI-FM," PI=171A (PI converts to KCRY)
<u>7/11 Tr</u>			
2205 <u>KNFO</u>	106.1	CO	Basalt, talk, sports talk 132
<u>7/14 Es</u>			
1353 <u>WYLD</u>	106.1	FL	Tallahassee, ad for Tallahassee Ford 1303
1357 <u>WGLF</u>	104.1	FL	Tallahassee, ad for Tallahassee Ford (same one!) 1303
1401 <u>WKAK</u>	104.5	GA	Albany, "K-Country 104" 1303
1412 <u>WWSN</u>	103.3	GA	Waycross, ID, "Sunny 103" 1406
1423 <u>WAAC</u>	92.9	GA	Valdosta, ID, "C-93"
1452 <u>WRDO</u>	96.9	GA	Fitzgerald, ID, "Kicks 97"
1501 <u>WYFK</u>	89.5	GA	Columbus, ID
<u>7/15 Es</u>			
1604 <u>WMJY</u>	93.7	MS	Biloxi, ID, "Magic 93.7"
<u>7/17 Es</u>			
1925 <u>CBLG</u>	89.1	ON	Geraldton, RDS "CBLG," PI=CB2A
1949 <u>WIRR</u>	90.9	MN	Virginia, "Thank you for listening to MN Public Radio"
2021 <u>WXPR</u>	91.7	WI	Rhinelander, RDS "WXPR," PI=92FB
2023 <u>KAXE</u>	91.7	MN	Grand Rapids, mentions of Grand Rapids businesses
2025 <u>WJPD</u>	92.3	MI	Ishpeming, wx w/ID jingle, k, RDS "WJPD," PI=6DF5
2031 <u>WLRS</u>	92.3	WI	Hayward, ID, mailing address
2038 <u>WUPK</u>	94.1	MI	Marquette, "K-Rock," had RDS but KNEB came in and wiped it out
2049 <u>WHWC</u>	88.3	WI	Menomonie, RDS "WHOO," PI?
<u>7/18 Es</u>			
1832 <u>WXKI</u>	103.1	AL	Moulton, "Rock that really rocks, X-103"
1924 <u>KRVL</u>	94.3	TX	Kerrville, jingle, ads
1934 <u>KYTX</u>	97.9	TX	Beeville, RDS "KYTX 97.9," PI= 5165, PTY "Light Classics"
1942 <u>KEPG</u>	100.9	TX	Victoria, "100.9 The Beat, Victoria's Beat"
<u>7/21 Tr</u>			
0832 <u>KTMX</u>	104.9	NE	York, ID 383
0839 <u>KUSO</u>	92.7	NE	Albion, Nebraska nx 370

0847	<u>KTGL</u>	92.9	NE	Beatrice, "92.9 The Eagle," gave mailing address 428
0850	<u>KBBK</u>	107.3	NE	Lincoln, "B-107," Lincoln ads 429
0900	<u>KZKX</u>	96.9	NE	Seward, "Lincoln's country leader, 96 Kix" 409
0909	<u>KTFC</u>	103.3	IA	Sioux City, rel pgm 463
0921	<u>KFGE</u>	98.1	NE	Milford, Lincoln ads 411
0926	<u>KSSO</u>	94.1	NE	Omaha, ads for Omaha, "KissCountry" 471
<u>7/21 Ms</u>				
1039	<u>WTBX</u>	93.9	MN	Hibbing, ID 768
<u>7/23 Tr</u>				
1056	<u>KKAW</u>	107.7	WY	Albin, translator of KUAD (never counted before) 86
1150	<u>KCNE</u>	91.9	NE	Chadron, Nebraska mentions, NE Public Radio 198
<u>7/26 Ms</u>				
2023	<u>KOKX</u>	95.3	IA	Keokuk, PS "KOKX," PI=3613 709
2240	<u>KDJS</u>	95.3	MN	Willmar, PI=18E8 599
<u>7/27 Es</u>				
1949	<u>KBNR</u>	88.3	TX	Brownsville, ID, SS 1079
1956	<u>XHNL</u>	97.1	NL	Nuevo Laredo, SS
2000	<u>XHAAA</u>	93.1	TM	Reynosa, SS
2000	<u>KVRT</u>	90.7	TX	Victoria, ID including both KEDT & KVRT 909
<u>7/29 Ms</u>				
0615	<u>KBIA</u>	91.3	MO	Columbia, RDS "KBIA," PI=1374 674
<u>7/29 Tr</u>				
0621	<u>KEZO</u>	92.3	NE	Omaha, "This is the rock station, Z-92" 468
0639	<u>KXKT</u>	103.7	IA	Glenwood, "Kat 103, Omaha's country leader," Bob Kingsley show 481
0758	<u>KUSD</u>	89.7	SD	Vermillion, ID, RDS "KUSD," PI=46A7 445
0824	<u>KKYA</u>	93.1	SD	Yankton, ID, "KK-93," k 425
0834	<u>KGLI</u>	95.5	IA	Sioux City, "KG-95" 464
0842	<u>KEYN</u>	103.7	KS	Wichita, ads for Wichita 443
0845	<u>KFDI</u>	101.3	KS	Wichita, ID jingle 443
0850	<u>KXKU</u>	106.1	KS	Lyons, Country Countdown USA 381
0854	<u>KDGB</u>	93.1	KS	Pratt, Wichita ads, "93.1 The Big Dog" 377
0856	<u>KFNE</u>	101.1	KS	Oberlin, ID, "KFNF Oberlin-Colby," under KOSI 232
0902	<u>KFIX</u>	96.9	KS	Plainville, ID, r 305
0907	<u>KZDY</u>	96.3	KS	Cawker City, soft r 346
<u>7/30 Tr</u>				
0729	<u>KIWR</u>	89.7	IA	Council Bluffs, "The River," ID 475
0737	<u>KCSI</u>	95.3	IA	Red Oak, ads, ID 508
0741	<u>KKBZ</u>	99.3	IA	Clarinda, local morning talk program 517
0748	<u>KKJO</u>	105.5	MO	St. Joseph, ads, "K-Joe" 533
0750	<u>KLZA</u>	101.3	NE	Falls City, ads, "Sunny 101" 490
0755	<u>KSJQ</u>	92.7	MO	Savanna, RDS "Q-Country," PI=A482
0758	<u>KAAN</u>	95.5	MO	Bethany, ads for MO tourism 572
0803	<u>KMXM</u>	94.1	NE	Omaha, new calls, "The all new Max Country 94" 468
0808	<u>KXKT</u>	103.7	IA	Glenwood, RDS "The Kat," PI=4DD3 481
0811	<u>KFRX</u>	102.7	NE	Lincoln, ads for Lincoln 431
0814	<u>KZFX</u>	101.9	NE	Lincoln, "101.9 The Fox" 431
0820	<u>KRGI</u>	96.5	NE	Grand Island, RDS "KRG," PI=3D88 344
0823	<u>KRKR</u>	95.1	NE	Lincoln, local ads 431
0825	<u>KRVN</u>	93.1	NE	Lexington, RDS "KRVN," PI=3F13 271
<u>7/30 Ms</u>				
2311	<u>KTXR</u>	101.3	MO	Springfield, RDS "KTXR,"

				PI=4493 692
	<u>7/31 Ms</u>			
0723	<u>KZBQ</u>	93.7	ID	Pocatello, ID, "ZBQ...there's a new Home Depot opening..." 432
0730	<u>WDAY</u>	93.7	ND	Fargo, "Y-94" 606
Logs through 7/31/01:				
Local 81				
E-skip 444				
Tropo 120				
Ms 61				
Total 706				



Harman-Kardon Citation 23, Yamaha T-70, Archer yagi and Channel Master Stereo Probe 9 in attic @ 15' AGL, 24 dB FM amp, Andy Bolin phase box

8/6 Es

1025	<u>KSMB</u>	94.5	LA	Lafayette, r, jingle
1030	<u>KRVS</u>	90.7	LA	Lafayette, c
1038	<u>KTDY</u>	99.9	LA	Lafayette, calls
1046	<u>KRVE</u>	96.1	LA	Brusly, rm, "The River"
1049	<u>WYNK</u>	101.5	LA	Baton Rouge, k, LSU request
1051	<u>WBBN</u>	95.9	MS	Taylorsville, k, "B-95"
1052	<u>KPEL</u>	105.1	LA	Abbeville, t
1053	<u>KVOL</u>	105.9	LA	Opelousas, t
1055	unID	107.1	??	??, ad for spas on Highway 80
1055	<u>KVEE</u>	107.5	LA	Lake Arthur, ID
1058	<u>KRKA</u>	107.9	LA	Erath, ad, "K-Rock"
1100	<u>K220EV</u>	91.9	LA	Lafayette, full WYFG Gaffney SC ID#
1107	unID	94.1	??	??, "Q-95.5"
1108	<u>KMDI</u>	97.3	LA	Kaplan, ad, "The Dog"
1110	<u>WJMI</u>	99.7	MS	Jackson, s, "99.7 Jams"
1112	<u>KBON</u>	101.1	LA	Mamou, k, Cajun French, local references
1115	<u>KAJN</u>	102.9	LA	Crowley, g, calls
1125	unID	97.7	TX	??, "Texas' blazing hip-hop"
1129	<u>KZMZ</u>	96.9	LA	Alexandria, calls, op
1140	<u>KRTS</u>	92.1	TX	Seabrook, c
1151	<u>KUHF</u>	88.7	TX	Houston, calls
1155	<u>KSBJ</u>	89.3	TX	Humble, gr, calls
1157	<u>KYKZ</u>	96.1	LA	Lake Charles, k, "Kix 96"
1200	<u>KAYD</u>	97.5	TX	Port Arthur, "KD-KAYD"
1228	<u>KKBQ</u>	92.9	TX	Pasadena, k, Houston wx, "93-Q country"
1243	<u>KIKK</u>	95.7	TX	Houston, wx, "93Q," k
1332	<u>KTBZ</u>	94.5	TX	Houston, rp, "The Buzz," Houston ref
1415 Es off FM				
<u>8/16 Tr</u>				
0001	<u>WFCC</u>	107.5	MA	Chatham, c
0003	<u>WHJY</u>	94.1	RI	Providence, ro
0005	<u>WNBR</u>	94.1	NC	Oriental, k, ID //97.7 & 104.7
0019	<u>WSHR</u>	91.9	NY	Lake Ronkonkoma, o, way strong!

0045	<u>WTKF</u>	107.3	NC	Atlantic, t
0200	<u>WGBH</u>	89.7	MA	Boston, c
0205	<u>WMGV</u>	103.3	NC	Newport, rm
0219	<u>WLGP</u>	100.3	NC	Harker's Island, g
0301	<u>WOTJ</u>	90.7	NC	Morehead City, g
0315	<u>WBAZ</u>	102.5	NY	Bridgehampton, r
0316	<u>WERX</u>	102.5	NC	Columbia, o
0800	<u>WCTK</u>	98.1	MA	New Bedford, k
0930	<u>WZXS</u>	103.9	NC	Topsail Beach, mr, "Unforgettable 103.9"
0942	<u>WGNI</u>	102.7	NC	Wilmington, r
0945	<u>WLQM</u>	101.7	VA	Franklin, k
8/17	<u>Es</u>			
2148	<u>KUHF</u>	88.7	TX	Houston, calls
8/26	<u>Tr</u>			
Really nice tropo this morning. Kept getting surprise after surprise.				
0720	<u>WRDU</u>	106.1	NC	Raleigh, rp
0733	<u>WBOS</u>	92.9	MA	Brookline, ad, calls
0740	All	Richmond	FM's	in real nice
0802	<u>WFXK</u>	104.3	NC	Tarboro, s
0805	<u>WKML</u>	95.7	NC	Lumberton, k, ID
0900	<u>WARV</u>	100.3	VA	Petersburg, k
0902	<u>WDAR</u>	105.5	SC	Darlington, mr, "Sunny 105.5,"
				Florence ad
0914	<u>WCOO</u>	105.5	SC	Moncks Corner, o, "Cool 105.5,"
				Charleston ads
0928	<u>WEGX</u>	92.9	SC	Dillon, k
0931	<u>WQSMt</u>	98.1	NC	Fayetteville, r
0944	<u>WALC</u>	100.5	SC	Charleston, r, "Alice @ 100.5,"
				"Low Country weather"
0945	<u>WRQC</u>	103.5	NC	Dunn, r, "Rock 103"
0950	unID	101.3	??	??, heavy rock (AC/DC, Van Halen, etc.), Farmville VA?
1005	<u>WFXQ</u>	99.9	VA	Chase City, k, "Fox 99.9"
1045	Tropo	out		
9/7	<u>Super Tr</u>			
0001	<u>WALC</u>	100.5	SC	Charleston, r, "Alice @ 100.5"
0002	<u>WEZL</u>	103.5	SC	Charleston, k, ID
1800	<u>WRZE</u>	96.3	MA	Nantucket, "The Rose"
1820	<u>WFCC</u>	107.5	MA	Chatham, c
1855	<u>WRSN</u>	93.9	NC	Burlington, "Sunny 93.9"
1901	<u>Wksi</u>	98.7	NC	Greensboro, r, "The Point," in
				solid!
1906	<u>WHPE</u>	95.5	NC	High Point, "The Buzzard," rp
1921	<u>WKRR</u>	92.3	NC	Asheboro, classic r
1934	<u>WVBZ</u>	100.3	NC	High Point, "The Buzzard," rp
2000	<u>WTHZ</u>	94.1	NC	Lexington, "Hits of the 80's and
				more, Hits 94"
2014	<u>WKSF</u>	99.9	NC	Asheville, car racing, "Kiss Country 99.9"
2034	<u>WQMG</u>	97.1	NC	Greensboro, "Smooth R&B, 97.1 QMG," strong signal!
2040	<u>WKXU</u>	101.1	NC	Burlington, k, "Kix 101.1, WKXU"
9/8	<u>Super Tr</u>			
0034	<u>WMJA</u>	102.7	VA	Appomattox, rm, "The new Magic FM"
0112	<u>WKS</u>	102.7	PA	Williamsport, r, stronger than Baltimore
0133	<u>WKXB</u>	99.9	NC	Burgaw, so, "Wilmington's Jammin' 99.9"
0150	<u>WMMX</u>	97.3	NC	Wilmington, s, "Coast 97.3"
0200	<u>WNCW</u>	88.7	NC	Spindale, ID, j, in very well after 0400
0201	<u>WFMU</u>	91.1	NJ	East Orange, ID
0203	unID	91.9	??	??, j
0225	<u>WQOK</u>	97.5	VA	South Boston, "K-97.5"
0252	<u>WVBZ</u>	100.3	NC	High Point, rp in well!
0300	<u>WXLK</u>	92.3	VA	Roanoke, r, ID

0304	<u>WPEG</u>	97.9	NC	Concord, s screaming people
				in ads for Charlotte jewelry store
0316	<u>WXBE</u>	97.9	PA	Hazleton, rp, "Northeast PA's rock station, the Bear"
0321	<u>WMQX</u>	93.1	NC	Winston-Salem, o, "Oldies 93"
0400	<u>WTOM</u>	94.3	VA	Staunton, rm, ID, "Star 94.3"
0409	<u>WHUD</u>	100.7	NY	Peekskill, "Hudson Valley's WHUD"
0430	<u>WYFG</u>	91.1	SC	Gaffney, ID, g
0505	<u>WSLQ</u>	99.1	VA	Roanoke, rm, "Q-99"
0507	<u>WZXI</u>	95.5	VA	Buffalo Gap, r, "The Shenandoah Valley's Mix," //105.7
0515	<u>WROV</u>	96.3	VA	Martinsville, op, solid
0846	<u>WBPP</u>	104.9	VA	Strasburg, k, "Apple Country"
1058	<u>WXKS</u>	107.9	MA	Medford, r, ID

The tropo on September 7th and 8th was almost like an Es opening with some signals fading very dramatically over a short period of time. This was probably my best tropo ever here in Elkton MD (been here 2 1/2 years), 2nd best opening was the long tropo in September last year.



Realistic STA-90 AM/FM/FM stereo receiver, Radio Shack PRO-79 handheld scanner (for NOAA weather radio logs), Radio Shack VU-210XR with Radio Shack Archerotor at 28' (8m) AGL. Miles/kilometers. Note: all NSW frequencies are shown with the final 3 digits to conserve space (162 is always the first 3).

7/2	<u>Tr</u>			
1200	Carbondale	91.9\$	101.5\$	100/161
1206	<u>WKB</u>	89.5	KY	Henderson, Kentucky wx, EDT/CDT time checks, c, o/ KNLH, KCFV off 170/271
1210	Cape Girardeau	MO	100.7 (o/KFNS), 102.9 115/184	
1211	<u>WKDQ</u>	99.5	KY	Henderson, Evansville ads, Sam Donaldson commentary 170/271
1215	<u>WGCF</u>	89.3	KY	Paducah, "Insight for Living," o/WIPA 155/249
7/13	<u>Tr</u>			
0155	<u>WXL47</u>	.400	MO	Dexter, SE Missouri wx, regional wx conditions, from NWS Paducah KY 140/225
7/31	<u>Tr</u>			
0639	<u>WXK72</u>	.400	IN	Putnamville, IN wx summary, Terre Haute wx, from NWS Indianapolis 190/306
0654	<u>WGFA</u>	94.1	IL	Watseka, local ad, PSA, "Point of Law" 200/322
8/1	<u>Tr</u>			
0542	<u>WXJ92</u>	.500	IL	Macomb, wx for Macomb, o/ KXI46 115/84
8/4	<u>Tr</u>			
0135	<u>KZZ39</u>	.500	MO	Clinton, forecast for Clinton/ Sedalia/Warrensburg area 185/298

0143 WPBG	93.3	IL	Peoria, "Big Oldies 93-3," local
0150 WXJ71	.475	IL	ad, o, o/KNSX 140/225 140/225
0155 KOKS	89.5	MO	Poplar Bluff, SRN nx, legal ID 145/223
0155 WLJJ	89.7	IL	Springfield, SRN nx, Verse of the Week, Decatur promo, legal ID//WLGM 97.7 80/128
0226 Quincy IL	88.5, 90.3, 99.5, 105.1		110/177
0227 KRNA	94.1	IA	Iowa City, calls, talk on MTV's "Real World," AOR 225/362
0231 <u>WXN83</u>	.525	IA	Burlington, legal ID, originating from NWS Quad Cities 140/225
0237 WXL47	.400	MO	Dexter, SE MO wx, regional wx conditions, mention of NWS Springfield MO 130/209
0646 KXI42	.450	IL	Chester, SW IL wx, KXI70 nulled 65/105
0648 KIRK	99.9	MO	Macon, CDT TC, o, local nx, w/KFAV 130/209
0737 <u>WXM39</u>	.525	MO	LaPlata, legal ID, MO wx summary, Kirksville wx forecast, from NWS Kansas City 145/233
0802 KLTE	107.9	MO	Kirksville, "Adventures in Odyssey" //KSIV 91.5 155/249
0803 WLLR	103.7	IA	Davenport, calls, wx, k, \$, o/ WDBR 190/306
<u>8/5 Tr</u>			
0352 KNWS	101.9	IA	Waterloo, light CCM, w/WQQL 270/435
0359 KGBX	105.9	MO	Nixa, calls, AC, clean separation from KPNT 105.7 200/322
0819 KSRC	102.1	MO	Kansas City, "Star 102," local ads, CCM show 225/362

The Es may have died down a bit around this QTH, but plenty of tropes in the 100 to 300 mile range to go around! The opening of July 2, 2001, was mainly a TV opening, but some FMs managed to poke through. Local 100-watt KCFV was off, so WKPB was a welcome log. Usually, I can hear KNLH Cedar Hill MO when KCFV is off. July 13 did allow reception of a new NWS radio station in WXL47 Dexter MO (serving southeast MO), which was running some programming //WXM49 162.425 Marion IL. August 4 and 5 brought a TV opening that, at times, stretched from eastern KS to southwest MI, but I did manage to add two more to my NWS log, both on 162.55. Caught a legal ID from WXN83 Burlington IA and weather information for the Kirksville area from WXM39 LaPlata MO. Some secular radio stations do run Christian programming on Sunday morning; KSRC 102.1 was running a Contemporary Christian show (a nice break from their regular AC format). Did confirm a possible

frequency flip in Springfield IL, with WLJJ moving from 97.7 in Petersburg to 89.7 in Springfield, and WLGM from 89.7 to 97.7. The 97.7 assignment in Petersburg is now non-commercial. Also noted a format change on WXAJ 99.7 Hillsboro IL; it's now a CHR format (skewed slightly toward dance CHR) for Springfield IL. Their "Kiss FM" slogan indicates ownership by broadcasting's Evil Empire. 73 and Good DX from Eric (N0UIH).

Fred Laun - K3Z0
5801 Huntland Road
Temple Hills, MD 20748
aalaun@attglobal.net
EDT

Denon TU-800 tuner, Winegard antenna @ 35'

8/26 Tr

0755 WQCD	101.9	NY	New York, NYC ads, moving antenna 30 degrees away from Baltimore brought them in o/ Baltimore's WLIF 206
0817 WRCH	100.5	CT	Hartford, ID 295
0822 WCBS	101.1	NY	New York, "Your favorite oldies" all day long on CBS-FM," nulled local WWDC with antenna 206
0824 WLEV	100.7	PA	Allentown, ID, came right o/the top of Baltimore's WZBA 145
0827 WJBR	99.5	DE	Wilmington, ID, nulled local WITW with antenna 104
0835 WRKS	98.7	NY	New York, "98.7 Kiss FM," nulled local WMZQ w/antenna 206
0838 WSKQ	97.9	NY	New York, "Mega Noventa y Siete Punto Nueve," moving antenna 30 degrees away from Baltimore brought them in o/ Baltimore's WIYY 206
0850 WRDX	94.7	DE	Claymont, Delaware ads, nulled local WARW
0858 WPAT	93.1	NJ	Paterson, SS programs for NY's Dominican community, o/WPOC Baltimore 203
0906 WGBH	89.7	MA	Boston, id 386
0908 WXPN	88.5	PA	Philadelphia, ID, nulled local WAMU 124
0920 WBOS	92.9	MA	Boston 385
0926 WRFY	102.5	PA	Reading, "Y-102," nulled WUSQ Winchester 118
0933 WNEW	102.7	NY	New York, ID o/Baltimore's WXYV when antenna moved Slightly 206
0942 WKU	103.5	NY	New York, ID, nulled local WGMS 203
0956 WXJN	105.9	DE	Lewes, Delaware ads, nulled local WJZW 93

Jim Renfrew
Dxing from Atlantic Beach NC

Sony 2010 w/whip, Buick car radio

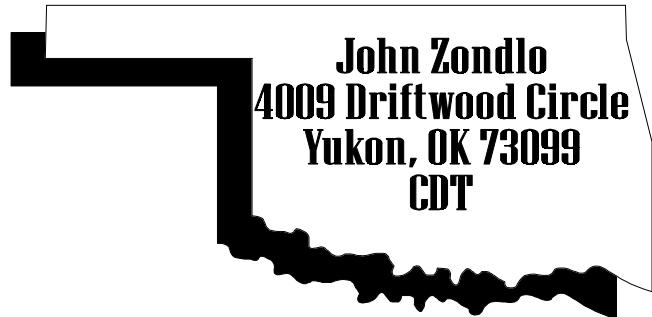
8/28 Tr

1300 unID 88.7 ?? ??, "K-Love"
WMYB 92.1 SC Myrtle Beach
WWOC 94.3 NC Hatteras
WSUY 96.9 SC Charleston
WFXZ 93.7 NC Wrightsville Beach,
"The Bone"
WEZL 103.5 SC Charleston
WSOL 101.5 GA Brunswick
WQIK 99.1 FL Jacksonville, noted all
day long
WMGF 107.7 FL Mt. Dora, "Magic"
1400 WHOG 93.7 FL Ormand-by-
the-Sea
WJRR 101.1 FL Cocoa Beach
1620 WMXQ 102.9 FL Jacksonville,
"The Point"
1640 WOCL 105.9 FL DeLand, "O
Rock," in solid for
hours
WSSX 95.1 SC Charleston
WFOG 92.9 VA Suffolk
WCFB 94.5 FL Daytona Beach
1800 WAZO 98.3 NC Long Beach
1850 WCXL 104.1 NC Kill Devil
Hills, "Beach"
1854 WWVV 106.9 SC Bluffton,
"Wave"
8/29 Tr
0021 WDVV 89.7 NC Wilmington,
"The Dove"
0030 WERO 93.3 NC Washington,
"The Bob"
0100 WNCM 88.1 FL Jacksonville,
"River of Life"
0900 WVOD 99.1 NC Manteo, "The
Sound"
WOBX 98.1 NC Manteo
WOBR 95.3 NC Wanchese, "The Rock"
1800 ?? 88.5 NC ??, American
Family Radio
1805 WKQB 106.9 NC Southern
Pines
2225 WEZV 105.9 SC North Myrtle
Beach
2300 WCOS 97.5 SC Columbia
2313 unID 99.7 ?? ??, "New Smooth
Jazz"
2317 unID 100.7 ?? ??, "New Z-100"
2318 WSTS 100.9 SC Fairmont
2322 WJMH 102.1 NC Reidsville,
"Jams"
2329 unID 103.1 ?? ??, "Soft Rock
102.3"
2336 unID 103.7 ?? ??, "Magic
103.7"

Notes:

1. The FM receptions are new since I was last in Atlantic Beach in 1997.

2. The Sony 2010 tunes in .05 steps, and seems quite wide, so some of the above unIDs may be on adjacent channels
3. Trops to Florida were strong from 1PM (when first noted) until midnight. No sign of any of them the following two days.
4. Help with unIDs would be appreciated.



Akai AT-VO4 (w/150 kHz IF filters), Stereo Probe 9 antenna, Conrad RDS Manager, all new

5/31 Es

1520 WLBW 92.1 DE Fenwick Island, "Oldies
92.1 &
105.5"
1540 WWDE 101.3 VA Hampton, "2-WD"
1604 WQHY 95.5 KY Prestonsburg, local spots
1611 WQHQ 104.7 MD Ocean City, r, "Q-105"
1613 WKCY 104.3 VA Harrisonburg, "Country
KCY"
1615 WAVA 105.1 VA Arlington, call letters, local
spots
1619 WGRX 104.5 VA Falmouth, local spots
1621 WGMS 103.5 DC Washington, local spots
1625 WTCR 103.3 WV Huntington, wx, calls
1627 WRNR 103.1 MD Grasonville, r,
"Progressive
103.1"



From the Editor

Thanks for the great support this month! I've even got a few more reports on hand for next month! See y'all in November!

WTFDA Convention 2002

Oklahoma City, OK – July 26, 27 & 28

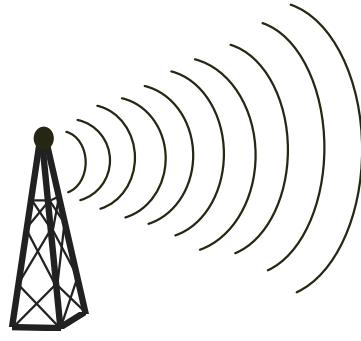
For info, visit **FMDXWeb.com**



Northern FM DX

Northern FM DX

Keith McGinnis
 387 Shirley Street, Winthrop, MA 02152
 longwave@mediaone.net



Harry Hayes - Wilkes-Barre, PA
 Equipment Superadio w/110khz filter, Jerrold 10 el. antenna in
 attic aimed west.

August 26 Tropo

0700 WYXR 104.5 Philadelphia PA
 "Alice-104" no CID.
 0750 WVOS 95.9 Liberty NY very strong
 o/semilocal in Benton PA.
 0755 WPRB 103.3 Princeton NJ v/strong
 w/opera.

0820 WQXA 105.7 York PA "105.7 The X"
 0825 WMCK 102.9 Philadelphia PA fair
 w/Elton John music.
 0843 WKYE 95.5 Johnstown PA "Solid
 Gold" program, "Key-95"
 It's a very uneventful August here. I've done much
 monitoring for naught.

John Eberling—Bloomington & Prosit MN
 Equipment used at both locations Pioneer TX-9500 tuner w/modified IF's &
 Stereo Probe 9 antenna. About 25 feet AGL at both locations.

Sept. 5 Trops From Bloomington, MN (times are c.s.t.)

1955	WLTQ	97.3	Milwaukee	WI	296	1921	KQIZ	93.1	Armarillo	TX	945
1956	WKLH	96.5	Milwaukee	WI	296	1927	@KGRW	94.7	Frionia	TX	
2000	@WHID	88.1	Green Bay	WI	261		004				
2013	@WMQA	95.9	Minocqua	WI	189	1930	KLUX	89.5	Robstown	TX	1356
2018	WIXX	101.1	Green Bay	WI	189	1934	KEDT	90.3	Corpus Christi	TX	
2021	WJNR	101.5	Iron Mountain	MI	264		352				
	'the frog'					1935	KNFM	92.3	Midland	TX	
2024	@WIMK	93.1	Iron Mountain	MI	264		153				
	RDS 'k-rock'					1938	KFTX	97.5	Kingsville	TX	1377
2030	WNMU	90.1	Marquette	MI	309	1941	KLEY	94.1	Floresville	TX	1271
	WS on 67 kHz					1944	KLWV	99.1	Odessa	TX	
2058	WLJY	106.5	Marshfield	WI	155		kicks 99'	1169			
2100	@WKHQ	105.9	Charlevoix	MI	394	1946	@KONO	101.1	Helotes	TX	
2108	@WVBO	103.9	Winneconne	WI	--	1947	KVIL	103.7	Highland Park	TX	
2112	WYCO	107.9	Wausau	WI			004				
	80					1948	@KLSR	105.3	Memphis	TX	943
2122	@WDRK	99.9	Cornell	WI		1951	@W269AQ	106.1	Moose Lake		
	new) -- 'the carp'						N				
2130	@CBSM	89.5	Sault Ste. Marie	ON		1953	@KEJS	106.5	Lubbock	TX	
	49						047				
2135	@CBON-18	88.1	Sault Ste. Marie	ON		1955	KTTX	106.1	Brenham	TX	1181
	49 French					2000	@KSTX	90.1	San Antonio	TX	1253
2140	@WBUM	104.3	Baraga	MI		2009	KGNZ	88.1	Abilene	TX	
	68						034				
2145	WGLX	103.3	Wisconsin Rpds	WI		2010	unid	92.9	Spanish		
175						2057	KSSI	93.1	EI Paso	TX	
2152	WOMC	104.3	Detroit	MI			288				
	oldies 104.3' 542					2100	KNPR	89.5	Las Vegas	NV	
2206	@WCMZ	98.3	Sault Ste. Marie	MI			383				
	48					2117	KOFX	92.3	EI Paso	TX	
2225	@WGER	106.3	Saganaw	MI			28				
	'mix 106' 474					2119	KBNA	97.5	EI Paso	TX	
2307	@WMQT	107.7	Ishpeming	MI			288				
	'Q107' 296										

Aug. 17 Es & Trops From Prosit MN

<u>Aug 21 Es & tropo</u>						2100	WAGC	90.7	Augusta	GA	
2005 @WAGO 88.7 Snow Hill						1090					
2006 WCPE 89.7 Raleigh						2108	WPLA	93.3	Callahan	FL	
061							'planet radio'	--			
2036 WKNC 88.1 Raleigh						2110	WBZY	94.5	Baxley	GA	
061							z94.5'	1186			
2042 WMHK 89.7 Columbia						2115	unid	89.1			
084							'coast 90 & coast 89'	HELP			
2054 WIAA 88.7 Interlochen							<u>Aug 24 Es</u>				
MI 370						1850	WXLK	92.3	Roanoke	VA	

Matthew Sittel, 15013 Eureux Circle, Bellevue, NE 68123

<http://members.home.net/mcsittel/dx.htm> mcsittel@home.com

Equipment Yamaha TX-900 tuner w/modified filters, Winegard PR-5030 VHF/FM antenna at 32 feet, Conrad RDS unit.

						1414	<u>WJXR</u>	92.1	Macclenny	FL	area
July 12 Tropo						ad	1077				
2156 <u>KCMW</u>	90.9		Warrensburg	MO		1415	<u>WNFK</u>	92.1	Perry	FL	Power k
calls	200					92.1	1030				
						1417	WWRM	94.9	Tampa	FL	Magic
						94.9	1191				
July 13 Es						1444	<u>WYUU</u>	92.5	Safety Harbor	FL	U-
1223 KTSY	89.5	Caldwell	ID	calls		92	1180				
1073						1504	<u>WBSN</u>	89.1	New Orleans	LA	
						PI592D	837				
July 14 Es						1606	WLPT	88.3	Jesup	GA	PI734D
1119 <u>WAYJ</u>	88.7	Fort Myers	FL	Way		1022					
FM 1286											
1121 <u>WJIS</u>	88.1	Bradenton	FL	Joy							
FM 1213											
1131 <u>WAYF</u>	88.1	W Palm Beach	FL								
1349											
1139 <u>WPCV</u>	97.5	Winter Haven	FL								
calls	1214										
1204 <u>WSMR</u>	89.1	Sarasota	FL	calls							
1221											
1226 <u>WLMS</u>	88.3	Lecanto	FL	Spirit							
FM 1140											
1237 <u>WBVM</u>	90.5	Tampa	FL	calls							
1191											
1242 WARO	94.5	Naples	FL								
WARO/PI5670		1317									
1259 <u>WHGN</u>	91.9	Crystal River	FL	ID							
1133											
1300 <u>WKES</u>	91.1	Lakeland	FL	ID							
1204											
1314 <u>WZZR</u>	92.7	Stuart	FL								
Underground	1315										
1319 WTBT	103.5	Bradenton	FL								
PI8701	1213										
1320 <u>WHPT</u>	102.5	Sarasota	FL	area							
ment.	1221										
1327 <u>WTMI</u>	93.1	Miami	FL	calls							
1396											
1328 WIKX	92.9	Charlotte	Hrbr	FL							
1256											
1331 WMFQ	92.9	Ocala	FL	Q 92.9							
1132											
1353 WKRO	93.1	Edgewater	FL	US93							
k 1194											
1359 <u>WSCF</u>	91.9	Vero Beach	FL	ID							
1286											
1359 <u>WGCU</u>	90.1	Fort Myers	FL	ID							
1286											
1409 <u>WUFT</u>	89.1	Gainesville	FL								
PI8A0D	1102										
July 17 Tropo											
0626 <u>KZSN</u>	102.1										
calls	235										
0637 <u>KZDY</u>	96.3										
Oldies96	172										
0643 <u>KCFN</u>	91.1										
KCFN/15D7	248										
July 17 Es											
2026 <u>WVPR</u>	89.5										
promos	1215										
2028 <u>WSLU</u>	89.5										
NCPR/85621080											
2048 WNTQ	93.1										
1024											
2056 <u>WBFO</u>	88.7										
885											
2059 <u>WCOU</u>	88.3										
WCOU/5B70	923										
2102 <u>WNTI</u>	91.9										
1102											
July 17 Tropo											
2231 <u>KOPN</u>	89.5										
243											
July 19 Tropo											
1931 <u>KCOB</u>	95.9										
sat.k	156										
July 21 GW											
0722 <u>KMLV</u>	88.1										
Love	10										
2037 <u>K242AM</u>	96.3										
115											

2259	KOWZ	100.9	Blooming Prairie	MN	August 4 Tropo
	239				0656 KQSD 91.9 Lowry SD
July 27 Es					"KQSD"/3C17 347
1925	unID	89.1	EE music	FF	0701 KTSD 91.1 Reliance SD PI
talk					0710 <u>KZZY</u> 103.5 Devils Lake ND
July 28 Tropo					Double Z 498
1025	KDSD	90.9	Pierpont	SD	0737 <u>KLND</u> 89.5 Little Eagle SD
					PI2E61 397
"KDSD"/19C3 317					0742 KBRK 93.7 Brookings SD local
1028	KDSU	91.9	Fargo	ND	ad 225
					0757 KDSD 90.9 Pierpont SD PI
"KDSU"/19D4 400					19E3 317
1036	KSDR	92.9	Watertown	SD area	0758 KRPS 89.9 Pittsburg KS calls
ment. 268					264
1054	<u>KRVY</u>	97.3	Starbuck	MN River	0845 <u>KTWB</u> 101.9 Sioux Falls SD 172
97.3	310				1147 <u>KYNU</u> 98.3 Carrington ND Big
1115	<u>KBFO</u>	106.7	Aberdeen	SD local	Dog 467
ad	326				1154 KQDY 94.5 Bismarck ND calls
1116	<u>KSOB</u>	107.9	Flandreau	SD calls	460
207					1159 KRSU 91.3 Appleton MN ID
					282
July 29 Tropo					1200 KCMQ 96.7 Columbia MO ID
0735	KTCZ	97.1	Minneapolis	MN	Cities 301
					243
1122	KKCK	99.7	Marshall	MN calls	1204 KQRN 107.3 Mitchell SD "THE
230					ROCK" 208
1342	<u>K220??</u>	91.9	Spencer	IA	1209 KQIC 102.5 Willmar MN Q 102
	WNCB		146		280
1400	KDSU	91.9	Fargo	ND ID	2156 KWFC 89.1 Springfield MO calls
400					304
1401	WLJY	106.5	Marshfield	WI ID	2158 KOPN 89.5 Columbia MO local
382					ment. 243
1720	KNEI	103.5	Waukon	IA calls	2159 KBIA 91.3 Columbia MO
273					241
1749	KNXR	97.5	Rochester	MN lottery	2201 <u>KJAB</u> 88.3 Mexico MO calls
ad					254
268					
2154	WHWC	88.3	Menomonie	WI	August 5 Tropo
					"WHWC"/6962 331
2157	WHSA	89.9	Brule	WI	0740 <u>KCKS</u> 94.9 Concordia KS 140
					"WHSA"/68F8 434
2158	WHLA	90.3	La Crosse	WI	0748 KDJS 95.3 Willmar MN
					"KDJS-FM" 283
2158	<u>WHHI</u>	91.3	Highland	WI	0755 KKCK 99.7 Marshall MN calls
					230
"WHHI"/67E2 316					0759 KOLV 100.1 Olivia MN K-100 ID
2159	KBHZ	91.9	Willmar	MN ID	2145 KCQQ 106.5 Davenport IA Q
280					106.5 275
2209	KFIL	103.1	Preston	MN calls	2150 <u>WKSC</u> 103.5 Chicago IL Kiss
265					103.5 434
					2156 KRRY 100.9 Canton MO Y101
					ID 241
July 30 Tropo					2214 KMEM 100.5 Memphis MO calls
0250	KQRS	92.5	Golden Valley	MN ID	203
307					
0255	KYSM	103.5	Mankato	MN Country	August 6 Tropo
103					
0259	<u>WNIE</u>	89.1	Freeport	IL "WNIJ"	0707 <u>KRZZ</u> 96.3 Derby KS calls FM
337					#600 256
0310	<u>KKSR</u>	96.7	Sartell	MN Kiss 96	0710 <u>KBBN</u> 98.3 Broken Bow NE 192
323					0712 KKCK 99.7 Marshall MN calls
0657	KBOB	99.7	Muscatine	IA B100	230
255					2124 WHHI 91.3 Highland WI RDS ID
0740	KKCI	102.5	Goodland	KS local	316
ment.					2145 WKSC 103.5 Chicago IL Kiss
1217	<u>WGCA</u>	88.5	Quincy	IL The Mix	103.5 434
253					2151 KOKZ 105.7 Waterloo IA
1226	<u>KNOW</u>	91.1	St. Paul	MN PI	"KOKZ"/1E82 207
33D6					
2148	KEEY	102.1	St. Paul	MN K-102	
302					
2150	KOWZ	100.9	Blooming Prairie	MN	
Kowz	239				

August 7 Tropo					1922	<u>KSGC</u>	92.1	Tusayan AZ	calls
2131	<u>KBGY</u>	107.5	Faribault	MN	calls k	940			
	259					1936	<u>KPKY</u>	94.9	Pocatello ID 856
2132	<u>KCQQ</u>	106.5	Davenport	IA	The Q	1940	<u>KKMV</u>	92.5	Rupert ID
	275						"KKMV"/2BB5 918		
2139	<u>KRCH</u>	101.7	Rochester	MN		1940	<u>KMXQ</u>	92.9	Socorro NM PI
	Laser101.7268					3216	772		
						1942	<u>KFRZ</u>	92.1	Green River WY
							KFRZ/1F07 704		
August 22 Es									
1759	<u>WKTO</u>	88.7	Edgewater	FL	ID g				92.1 The
	1194						Freeze state #40 unit #50!		
1825	<u>WAYL</u>	91.9	St. Augustine	FL	ID	1951	<u>KAOX</u>	107.3	Kemmerer WY
	1138						Jukebox 107 757		
1831	<u>WKRO</u>	93.1	Edgewater	FL	US93	1954	<u>KNFL</u>	104.9	Tremonton UT K105
	1194					theKar	841		
						1958	unID	99.1	CBC Radio
							One Toronto and Peterborough weather.		
August 23 Es						2059	<u>KWPS</u>	88.7	Lund NV network
1905	<u>KQOL</u>	93.1	Las Vegas	NV	Cool	ID	1021		
93.1	1090								
1906	<u>KNPR</u>	89.5	Las Vegas	NV	calls				
	1090								
1918	<u>KTHQ</u>	92.5	Eagar	AZ					
	"KTHQ"/42F2 872								
1922	<u>KZUA</u>	92.1	Holbrook	AZ	Z 92	2017	<u>WEPC</u>	88.5	Belton SC "WEPC-
885							FM"/A6C0 871		
						2026	<u>WRFG</u>	89.3	Atlanta GA
							"WRFG"/8214 813		

RDS sure has made things a lot more fun, especially when skip is in! There were a few surprise openings in late August that were rather productive, especially with the RDS loggings. I was very glad to log Wyoming on FM! Log total is now 617. 73s Matt

KEITH MCGINNIS 387 SHIRLEY ST WINTHROP MA 02152

longwave@mediaone.net

Equipment Modified Yamaha T-85 with a Stereo Probe 9 (thru 8/3) and an

APS 9 (after 8/3) 15 AGL

All loggings from Winthrop MA except where noted. Each days loggings are in freq Order rather than time order

May 10 GW							religious		
2204	<u>WCAI</u>	90.1	Woods Hole MA			1940	<u>WBVM</u>	90.5	Tampa FL
2138	WJHD	90.7	Portsmouth	RI		1905	// RA		
							WWRM	94.9	Tampa FL
							Magic 94.9		
May 25 Tropo						2010	<u>WKGR</u>	98.7	Fort Pierce FL The
2135	WQRI	88.3	Bristol	RI	ID....		Gator		
	trops after skip					1917	<u>WTRS</u>	102.3	Dunnellon FL local
							ads ID		
May 25 Es						2019	<u>WMXJ</u>	102.7	Pompano Bch FL
2043	WIOL	92.7	Columbus	GA			Majic 102.7 local ads		
	The River					1907	<u>WKZM</u> (t)104.3		Sarasota FL
2230	WKSJ	94.9	Mobile	AL			tentative		
	"95 KSJ, alt with Peach 94"					1910	<u>WRBQ</u>	104.7	Tampa FL
2122	WJIZ	96.3	Albany	GA			Q 105		
	Power Z 96.3 ID								
2046	WLMG	101.9	New Orleans	LA					
	Continuous soft rock								
2108	WMXZ	103.1	De Funiak Spgs	FL		June 2 Es			
	Mix 103					1411	<u>WRLX</u>	92.1	West Palm Bch FL
2110	WMXP	103.5	Callaway	FL			Planet Radio		
	Lite Rock 103.5					1516	<u>WKRO</u>	93.1	Daytona FL
2051	WXRG	105.9	Pascagoula	MS			Daytona's Cont country US 93		
	"local ads, ID"					1518	<u>WOGK</u>	93.7	Ocala FL
2055	WRRX	106.1	Gulf Breeze	FL			local ads....mixing with local Star 93.7		
	"local ads, ID"					1524	<u>WEJZ</u>	96.1	Jacksonville FL
2058	WWGF	107.5	Donaldsonville	GA			Lite 96.1		
	Good News Netwk					1524	<u>WXOF</u>	96.3	Yankeetown FL
May 31 Es							Country Fox		
1900	WSMR	89.1	Sarasota	FL	ID	1528	<u>WSKY</u>	96.7	Gainesville FL
							talk		
						1538	<u>W244BE</u>	96.7	Brandon FL
							Xltr of WJIS (88.1) ID for other stations too		

1434	WOSN	97.1	Indian Rvr Shrs	FL	1805	KFMZ	98.3	Columbia	MO	The Buzz - Mo Mod rock alt
1438	WWRZ	98.3	Ft Meade	FL	1609	KWTO	98.7	Springfield	MO	
	The Rose				1720	KFLW	98.9	St Robert	MO	
1540	WYKZ	98.7	Savannah	GA		Firehouse tatoo ad				
	ID lots of local ads				1900	WVCX	98.9	Tomah	WI	ID
1458	WMMO	98.9	Orlando	FL	1851	KOWZ	100.9	Blooming	Prairie	MINN
	Cranberries song into ID				local ads / wx					
1502	WGNE	99.1	Daytona	FL	1809	KNEI	103.5	Waukon	IA	
	Froggy Daytona adverts				Real Country					
1551	WBT	99.3	Chester	SC	1848	KYSM	103.5	Mankato	MN	ID -
	ID local ads				concert in St.Paul					
1543	WWKT	99.3	Kingstree	SC	1725	WGRR	103.5	Cincinnati	OH	ID
	Magic 99 local mentions				w/ ment of KY Speedway					
1454	WJRR	101.1	Cocoa Bch	FL	1743	WECB	104.3	Seymour	WI	
	ID				Northern Light Casin Ad					
1509	WJHM	101.9	Daytona	FL	1814	KKLH	104.7	Marshfield	MO	
	Orlando's Hottest Jams				local mentions/Rogersville					
1446	WHKR	102.7	Rockledge	FL		KZNN	105.3	Rolla	MO	
	ID				The Superstation					
	WLOQ	103.1	Winter Pk	FL	1740	KGBX	105.9	Nixa	MO	
	Smooth Jazz	ID			ID Ozark mentions					
1502	WTBT	103.5	Tampa	FL	1858	WLJY	106.5	Marshfield	WI	
	Thunder 103 dot com				Liite FM - local ads					
1432	WEAT	104.3	West Palm Bch	FL	1750	KLIZ	107.5	Brainerd	MN	
	Sunny 104.3	ID			ID					
1443	WFLM	104.7	White City	FL	1746	KOMT	107.5	Mountain Home	AR	
	"ID, ads for Bev Smith Toyota"				ID					
1511	WYGV	105.5	Jacksonville	FL	1803	WBZM	107.7	Bloomington	IL	
	Jacksonville's Groovin Oldies				The Buzz - Peoria's Riverfront					
1514	WOCL	105.9	Orlando	FL	O					
	Rock	ID								
1452	WZZS	106.9	Zolfo Springs	FL						
	ID									
1500	WMGF	107.7	Mount Dora	FL						
	Magic 107.7									

June 12 Es

2017	WDNX	89.1	Olivehill	TN	
	"Rel, Local sponsor mentions"				
2026	WMAE	89.5	Boonesville	MS	ID
1955	CBNM	90.3	Marystown	NF	
	faded in and out CBC R1				
2015	WGSQ	94.7	Cookeville	TN	
	"Country Giant , ID"				
2032	WANT	98.9	Lebanon	TN	
	"local ads, FM 98.9"				

June 16 Es

1935	KNLD	89.5	Little Eagle	SD	ID
1937	WCLQ	89.5	Wausau	WI	89Q
1225	WDDQ	92.1	Adel	GA	
	"ID, local ads"				
1214	WQKI	93.9	Orangeburg	SC	
	Quickie 93.9 local ads				
1212	WDEC	94.7	Americus	GA	
	"Mix 94.7, local ads"				
1229	WTNT	94.9	Tallahassee	FL	
	"ID, local ads"				
1828	KJJK	96.5	Fergus Falls	MN	KJ
	Country local wx				
1729	KAHR	96.7	Poplar Bluff	MO	
	Kool 96.7 / Local mentions				
1844	KPOW	97.1	La Monte	MO	Power
	97				
1836	KDDK	97.5	Park Rapids	MN	ID
1822	KICK	97.9	Palmyra	MO	ID
1825	KZZB	97.9	Poteau	OK	Hot
	new B 98				

June 17 Es

2031	WOOG	89.1	Huntsville	AL	// to RA
1225	WSOF	89.9	Madisonville	KY	local sermon // to RA
2042	KKEG	92.1	Fayetteville	AR	The Keg
2059	KZLE	93.1	Batesville	AR	The Max 93.1
2032	WAXM	93.5	Big Stone Gap	VA	ID - 5 Star Country
1234	WXCM	97.1	Whitesville	KY	97X
2130	KTTG	97.9	Mena	AR	Coyote Country

June 21 Es

1958	KUAR	89.1	Little Rock	AR	D
2100	WLRH	89.3	Huntsville	AL	ID / RDS ID occurred on 8/3/01
1957	WNKJ	89.3	Hopkinsville	KY	
	Listener Supp Christian Radio & ID				
2006	WXRZ	94.3	Cornith	MS	Great oldies Z 94.3 // music to 95.1
2045	WTYX	94.7	Jackson	MS	Arrow 94.7 mentions of WLBT
2008	WCDZ	95.1	Dresden	TN	Oldies 95.1 // music to 94.3
2033	WGCG	95.1	Glasgow	KY	ID
2025	WBVR	96.7	Bowling Green	KY	
	The Beaver				
2038	WKBB	100.9	West Point	MS	
2015	WRBO	103.5	Memphis	TN	local ads Soul Classics 103.5
2017	WMUF	104.7	Henry	TN	"local mentions, ads ID"
2012	WGKX	105.9	Memphis	TN	
	Today's Best Country Kix 106				
2021	WWYN(t)	106.9	Jackson	TN	Hwy 45 N Henderson/ W TN mentions

<u>June 25 Es</u>							1333	WODL	106.9	Birmingham	AL						
1831 WJUF 90.1 Iverness FL ID							mentions of Birmingham										
1833 WXVS 90.1 Waycross GA ID							1250	WYCL	107.3	Pensacola	FL ID						
1945 WNFK 92.1 Perry FL Power							<u>July 16 Ms</u>										
Country							2043	WLJK	89.1	Aiken	SC RDS ID						
1937 WEAS 93.1 Savannah GA							<u>July 17 Es</u>										
E 93 Jams							2110	WQOX	88.5	Memphis	TN ID						
1837 WMTM 93.9 Moultrie GA							<u>July 18 Es</u>										
local ads Power 94 Atlanta Braves							1825	WSCl	89.3	Charleston	SC RDS						
<u>June 27 Es</u>							<u>July 21 Tropo</u>										
2000 KCUR 89.3 Kansas City MO KC	temps into As it Happens					2345 WNYE 91.5 New York NY FF											
2040 KFTK 97.1 St Louis MO	Radio 97.1					1739 CBHY 92.1 Yarmouth NS RDS											
2051 WCOW 97.1 Sparta WI Cow	97 ment of Sparta				logged a few times before											
<u>June 30 Tropo</u>							2325	WSVY	105.3	Norfolk	VA ID						
1040 WDAQ 98.3 Danbury CT 98Q	...weather					<u>July 11 Ms</u>											
Overnite WPNE 89.3	Green Bay WI					<u>July 22 Tropo</u>											
Overnite WPNE 89.3	RDS ID					644	WQDR	94.7	Raleigh	NC							
920 WLPT 88.3 Jessup GA	RDS ID					648	WVKL	95.7	Norfolk	VA							
1159 WELL 88.7 Dadeville AL	Alabama/GA mentions partial ID					<u>July 14 Es</u>											
1200 WRWA 88.7 Dothan AL	RDS					1345 WALN 89.3 Carrollton AL	RDS										
1214 WRFG 89.3 Atlanta GA	RDS					1214 WRFG 89.3 Atlanta GA	RDS										
1219 WTSU 89.9 Troy AL RDS	log occurred on 8/2					1219 WTSU 89.9 Troy AL RDS	log occurred on 8/2										
1318 WEPR 90.1 Greenville SC RDS ID						1318 WEPR 90.1 Greenville SC RDS ID											
1237 WVAS 90.7 Montgomery AL	"RDI ID ""WVAS proud to bring you the					1237 WVAS 90.7 Montgomery AL	latest in digital										
1144 WIOL 92.7 Columbus GA	technology"					1144 WIOL 92.7 Columbus GA	technology"										
1309 WGOG 96.3 Walahalla SC Apple						1309 WGOG 96.3 Walahalla SC Apple											
1229 WMXA 96.7 Opelika AL						1229 WMXA 96.7 Opelika AL	local ads										
1330 WFOX 97.1 Atlanta GA						1330 WFOX 97.1 Atlanta GA											
1327 WJAM 97.3 Orrville AL	RDS ID					1327 WJAM 97.3 Orrville AL	RDS ID										
1158 WIBB 97.9 Macon GA	local ads					1158 WIBB 97.9 Macon GA	local ads										
1227 WMAX 98.1 Hogansville GA	RDS ID					1227 WMAX 98.1 Hogansville GA	RDS ID										
1208 WTKE 98.1 Pensacola FL	RDS ID					1208 WTKE 98.1 Pensacola FL	RDS ID										
1150 KZRZ 98.3 Monroe LA ID						1150 KZRZ 98.3 Monroe LA ID											
1151 WAGH 98.3 Columbus GA	Magic 98.3 Edgar Champaign					1151 WAGH 98.3 Columbus GA	Magic 98.3 Edgar Champaign										
1303 WBAM 98.9 Montgomery AL	Star 98.9					1303 WBAM 98.9 Montgomery AL	Star 98.9										
1300 WNNX 99.7 Atlanta GA	RDS ID					1300 WNNX 99.7 Atlanta GA	RDS ID										
1349 WALX 100.9 Selma AL	ID / Selma mentions					1349 WALX 100.9 Selma AL	ID / Selma mentions										
1258 WELR 102.3 Roanoke AL	RDS ID					1258 WELR 102.3 Roanoke AL	RDS ID										
1256 WXBW 102.7 Milton FL local ads						1256 WXBW 102.7 Milton FL local ads											
1341 WZZK 104.7 Birmingham AL	ID / Family Fun Station					1341 WZZK 104.7 Birmingham AL	ID / Family Fun Station										
1240 WAVH 106.5 Mobile AL RDS ID						1240 WAVH 106.5 Mobile AL RDS ID											
1334 WZNJ 106.5 Demopolis AL RDS ID						1334 WZNJ 106.5 Demopolis AL RDS ID											
<u>August 5 Tropo</u>							<u>August 6 Tropo</u>										
845 WJIV 101.9						845 WJIV 101.9											
<u>August 21 Tropo</u>							558 WMEW 91.3	Waterville ME ID's									
2230 WXPN 88.5						2230 WXPN 88.5	Philadelphia PA										
1518 CBC/ff 89.9						1518 CBC/ff 89.9	Rouyn Noranada ?? Radio Chaine Culterelle...										
1551 WKXZ 93.9						1551 WKXZ 93.9	Norwich NY										
1600 CBC/ff 95.1						1600 CBC/ff 95.1	Corbeil Astorville ??										
1421 WCSY 98.3						1421 WCSY 98.3	Premiere Chaine										
1725 CKBY 105.3						1725 CKBY 105.3	ID Cozy 98.3										
1725 CKBY 105.3						1725 CKBY 105.3	Y 105 per MB										
<u>August 16 Tropo</u>							2232 WRHU 88.7	Hempstead NY ID's									
2300 WTEB 89.3						2300 WTEB 89.3	New Bern NC										
multiple Ids // WKNS 90.5							1102 WKNS 90.5	Kinston NC									
2353 WJBR 99.5						2353 WJBR 99.5	multiple Ids // 89.3 WTEB										
2251 WCEM 106.3						2251 WCEM 106.3	Wilmington DE										
ID's The Heat							2251 WCEM 106.3	Cambridge MD									
<u>August 17 Tropo</u>							935 WPFW 89.3	Washington DC ID									
939 WPOC 93.1						939 WPOC 93.1	Baltimore MD ID										
local ads							925 WASH 97.1	Washington DC ID									

<u>August 17 Es</u>					140	WLZW	98.7	Utica	NY	Lite	98.7
2005	WLRN	91.3	Miami	FL	149	CJPX	99.5	Montreal	PQ		
2027	WLVE	93.9	Miami Beach	FL	151	WWFY	100.9	Berlin	VT		
Smooth Jazz											
<u>August 18 From East Charleston VT GW & Tropo</u>					<u>August 21 From East Charleston VT GW & Tropo</u>						
2308	WXLU	88.3	Peru	NY	159	W206AQ	89.1	Plattsburgh	NY		
RDS NCPR					142	Air One	Christian Hit music				
2308	WVPA	88.5	St Johnsbury	VT	140	WKXH	105.5	St Johnsbury	VT	ID	
2311	CBMB	91.7	Sherbrooke	PQ	133	CFG	105.7	Montreal	PQ		
<u>August 19 From East Charleston VT GW; Tropo; and MS</u>											
808	WNSC	88.9	Rock Hill	NC	RDS ID	(calls?)	RDS Rythme FM				
Meteor Scatter					129	CIMO	106.1	Magog	PQ	FF	
810	WMOO	92.1	Derby	VT	122	WMTK	106.3	Littleton	NH		
815	CBM	93.5	Montreal	PQ	133	The Notch					
1012	CFMK	96.3	Kingston	Ont	120	CFEI(t)	106.5	St Hyacinthe	PQ	FF	
96/local mentions					116	WIZN	106.7	Burlington	VT		
1023	WVNV	96.5	Malone	NY	116	The Wizard					
Wild Country New 96.5 mentions of Montreal					116	CITE	107.3	Montreal	PQ	"RDS	
1026	WXZO	96.7	Burlington	VT	116	""Rockdete""					
today's talk The Zone					<u>August 22 from East Charleston VT GW & Tropo</u>						
1041	CIEL	98.5	St Lambert	PQ	2348	WCMD	89.9	Barre	VT		
1045	CHRI	99.1	Ottawa	Ont	806	WRUV	90.1	Burlington	VT	ID	
mentions/Christian music					2353	CJET	92.3	Smith Falls	Ont	ID	
2258	WSNN	99.3	Potsdam	NY	745	WGXL	92.3	Hanover	NH	ID	
99 Hits...North Country					746	WCIZ	93.3	Watertown	NY	ID	
2303	CBFX	100.7	Montreal	PQ	906	WLVB	93.9	Morrisville	VT		
RDS/Stereo					831	Vermont Country	94				
1107	CBF-10	101.1	Sherbrooke	PQ	952	WDEV	96.1	Warren	VT	ID	
RDS Mono					1105	WYSX	98.7	Ogdensburg	NY		
1109	WCPV	101.3	Burlington	VT	1234	Yes FM					
Champ					1234	WJIV	101.9	Cherry Valley	NY	ID	
1113	WRCD	101.5	Canton	NY	1234	WANC	103.9	Ticonderoga	NY		
Seaway Valley Station..The Fox					1230	ment of Dutchess	Cnty and WAMC				
1111	WLFE	102.3	St Albans	VT	1230	CFZZ	104.1	St Jean Du Richlieu			
1142	WKOL	105.1	Plattsburgh	NY	1220	local mentions	FF				
1140	CKBY	105.3	Ottawa	ONT	1201	WABT	104.5	Mechanicville	NY		
Y 105					1201	The Buzz					
1120	WYZY(t)	106.3	Saranac Lake	NY	1201	CXFM	104.9	Granby	PQ		
Y 106.3					2322	multi mentions of	Granby	FF			
1114	CBCK	107.5	Kingston	Ont	1115	WORK	107.1	Barre	VT	ID	
RDS					1115	WGNA	107.7	Albany	NY	ID	
<u>August 20 From East Charleston VT GW & Tropo</u>					<u>August 23 from East Charleston VT Es</u>						
928	CBME	88.5	Montreal	PQ	1133	KDHX	88.1	St. Louis	MO	ID	
933	WSLU	89.5	Canton	NY	1130	KUMR	88.5	Rolla	MO	RDS	
RDS NCPR					1111	KLUH	90.7	Poplar Bluff	MO		
955	CBO(t)	91.5	Ottawa	Ont	1111	local WX	Victor	90.3			
005	CFQR	92.5	Montreal	PQ	1120	KZLE	93.1	Batesville	AR		
046	WXAL	93.7	Addison	VT	1108	Castle Homes					
mentions of Middlebury					1108	KBXB	97.9	Sikeston	MO	B 98	
055	WYYY	94.5	Syracuse	NY	1108	Foxy	107/104				
059	WYUL	94.7	Chateaugay	NY	<u>August 24 back home in Winthrop Tropo</u>						
Yes FM Multi Ids					923	WAMU	88.5	Washington	DC	ID	
1043	CBF	95.1	Montreal	PQ	700	WIYY	97.9	Baltimore	MD	98 Rock	
1049	CJXY(t)	95.3	Hamilton	Ont	853	WRNR	103.1	Graysonville	MD	ID	
with all your favorite songs from yesterday					828	WFXK	104.3	Tarboro	NC		
1052	WGIX(t)	95.3	Gouverneur	NY	Foxy 107/104						
mentions of Fr. Remington Art Museum					<u>September 8 Tropo</u>						
1103	WXXX	95.5	Burlington	VT	2136	WAUA	89.5	Petersburg	WV		
1100	CJFM	95.9	Montreal	PQ	2136	mentions of WV	Public Radio				
103	WVLF	96.1	Norwood	NY	938	WVIA	89.9	Scranton	PA	ID	
1315	W243AE	96.5	Orleans	VT	817	WRTI	90.1	Philadelphia	PA	ID	
CMI net multi Ids					2100	WYBC	94.3	New Haven	CT	ID	
128	CFJO	97.3	Thetford Mines	PQ	600	WRDX	94.7	Dover	DE	ID	
ID in FF and EE					945	WTSX	96.7	Port Jervis	NY		
130	WFRY	97.5	Watertown	NY	945	Fox	96.7				
Froggy 97					1054	WEZN	99.9	Bridgeport	CT		
038	WTRY	98.3	Rotterdam	NY	1054						

628	Star 99.9 WBEB 101.1 B101	Philadelphia PA	615	WLCE 104.5	Philadelphia PA
1045	WAQY 102.1 Rock 102	Springfield MA	1039	WAMQ 105.1 local mentions//WAMC	Grt Barrington MA
625	WIOQ 102.1	Philadelphia PA	705	WTJM 105.1	New York NY RDS ID
1026	WNEW 102.7	New York NY ID	959	WAXB 105.5	Patterson NY B 105

Mike Bugaj – 69 Sherman Road – Enfield, CT 06082
Equipment Carver TX-11/Sony ST-5130, Probe-9, APS-13, Bolin phase box

Aug 5	Tropo		Sept 5	Tropo	
1816	CBAF 102.3	Fredericton NB FF	0715	WTSS 102.5 pegging!	Buffalo NY
1834	CBZ 101.5	Fredericton NB cl	0721	CBL 94.1	toronto ON cl mx
			0722	<u>WLXT</u> 96.3 682 miles	Traverse City MI
Aug 6	Tropo		0727	<u>WDHI</u> 100.3	Delhi NY
0712	WMME 92.3 92Moose	Augusta ME	0728	Oldies100 <u>WRVM</u> 102.7	Suring WI
0718	more CBAF-102.3		0732	nx/wx/ID 818 miles CHUM 104.5	toronto ON news
Aug 7	Tropo		0735	<u>CKDK</u> 103.9 Hawk	London ON the
	0600-0800 Mostly coastal NJ/DE		0738	<u>CKNX</u> 101.7	Wingham ON
Aug 11	Tropo		0742	FM102 <u>WIXX</u> 101.1	Green Bay WI 796
1448	WTSS 102.5	Buffalo NY		mi	
Aug 15	Tropo		0746	WGRF 96.9	Buffalo NY traffic
1140	coastal DE/MD plus WYFI-99.7		0748	<u>CFPL</u> 95.9	London ON traffic
2045	<u>WGLS</u> 89.7	Glassboro NJ gotta be using higher power now.	0814	FM96 CHYM 96.7	Kitchener ON
			0816	<u>WLVQ</u> 96.3	Columbus OH
Aug 16	Tropo			sports	
0738	WSFL 106.5	Bridgeton NC	0822	<u>WVCX</u> 98.9	Tomah WI g, 916
0741	<u>WJZW</u> 105.9	Woodbridge VA		mi. My 2 nd most distant logging.	
0750	WAVA 105.1	Alexandria VA	0840	CJBX 92.7	Kitchener ON BX-93
0752	WWZZ 104.1	Waldorf MD Z104			
0752	WMGK/WHUR/WASH		0844	CBCL 93.5	London ON CBC
0802	<u>WCEI</u> 96.7	Easton MD		mono	
0825	<u>WJYJ</u> 90.5	Fredericksburg VA	0849	<u>WAPL</u> 105.7	Appleton WI 813mi
2000	Norfolk heavy		0855	<u>WEEC</u> 100.7	Springfield OH g
2000	WRSF 105.7	Columbia NC		602mi	
2007	<u>WNHW</u> 97.1	Hatteras NC	0902	<u>WOFN</u> 88.7	Canton OH Oasis
2010	WOBX 98.1	Manteo NC 98OBX		net.	
2010	WWOC 94.5	Hatteras NC	0904	<u>WTUE</u> 104.7	Springfield OH
2056	WYND 92.3	Jacksonville NC		628mi	
2111	WVOD 99.1	Manteo NC	Sept 8	Tropo	
2149	WMID 102.3	Cape May NJ	0930	<u>WBRF</u> 98.1	Galax VA
2151	WRBG 101.7	Ocean View DE	0932	<u>WSLC</u> 94.9	Roanoke VA v strong
	B101.7		2104	<u>WVT</u> 89.1	Roanoke VA
2315	WCXL 104.1	Kill Devil Hills NC	2148	<u>WGRX</u> 104.5	Falmouth VA
Aug 25	Tropo			Thunder	
2305	WERX 102.5	Columbia NC the X	Sept 9	Tropo	
2330	WERO 93.3	Washington NC Bob	0927	<u>WQFM</u> 100.1	Forest City PA
				Oldies 92 and 100	
			0930	<u>WVRT</u> 97.7	Mill Hall PA variety
				97-7	
			1450	CBHY 92.1	Yarmouth NS
0918	<u>WZAX</u> 99.7	Nashville NC mix99.7	1600	WQSS 102.5	Camden Coast ME
0930	<u>WYMY</u> 96.9	Greensboro NC Star	1602	WMCM 103.3	Rockland ME BB
	FM		1605	WCME 96.7	Boothbay Harbor ME
0937	WKHK 95.3	Colonial Hts VA	1920	Halifax 92.3/101.9/102.7/104.3 strong	
0953	<u>WWWZ</u> 93.3	Charleston SC	1943	<u>WAKN</u> 97.7	Winter Harbor ME
	745mi.			Classic rock 101.7 the Fox	

2002	<u>CBAF</u>	104.7	Digby	NS	French	2055	CIOO	100.1	Halifax NS
2008	<u>CJMO</u>	103.1	Moncton	NB	C103	2105	<u>CJLS</u>	93.5	New Tusket NS
2024	<u>CHSJ</u>	94.1	St. John	NB	cntry94	2150	<u>CHTD</u>	98.1	NB "The Tide"

RICK SHAFTAN – SPARTA NJ shaftan@ptd.net

EQUIPMENT: Realistic STA-2280; Conrad RDS Manager; Two APS 14s

Stagger stacked phased with two FM-13s

New w/@ New prop mode w/ & First # at end is mileage. Second is bearing.

July 25 Es

1140	@WBGA	102.5	Waycross	GA	King Kar in Waycross	GA 794	213d		
1144	WOKF	92.5	Folkston	GA	Ad for Consumer Credit Counseling		819	213d	
1145	@WSKX	92.3	Hinesdale	GA	Calls 745	213d			
1147	WLPT	88.3	Jesup	GA	RDS PI 734D	760	214d		
1148	WAAC	92.9	Valdosta	GA	Local ads	857	217d		
1150	????	93.9			Power 93. Surfin Safari				
1152	WNFB	94.3	Lake City	FL	Urban. Ad for 752-1822	882	214d		
1154	WKSJ	94.9	Mobile	AL	The Cycle Shop in Pensacola	1020	229d		
1218	WMJY	93.7	Biloxi	MS	Gulfport ad	1070	232d		
1222	WVAS	90.7	Birmingham	AL	RDS PI EEEE w/lots of text	878	231d		
1222	WLWI	92.3	Birmingham	AL	I-92 872	231d			
1906	WOI	90.1	Ames	IA	77 degrees in Central Iowa	982	280d		
1907	KDCR	88.5	Sioux City	IA	RDS PI 1831	1189	285d		
1910	????	95.1			Preacher				
1915	KMFY	96.9	Grand Rapids	MN	96.9 KMFY. Monkees I'm a believer	1022	301d		
1919	KESD	88.3	Brookings	SD	RDS 1165	288d			
1921	????	89.1			Highs 93, Los 87, NPR All Things Considered				
1922	KJJY	92.5	Ankeny	IA	Great Country KJJY	990	279d		
1935	KCND	90.5	Bismarck	ND	RDS 1352	296d			
1939	@KXRA	92.3	Alexandria	MN	Black Crowes on KX 92	1092	296d		
1955	????	95.7			Country				
2003	KCCD	90.3	Moorehead	MN	MPR PRI 1158	298d			
2005	KBPR	90.7	Brainerd	MN	RDS PI 143B	1053	298d		
2007	@KPRJ	91.5	Jamestown	ND	North Dakota Public Radio	1247	297d		
2012	KQMN	91.5	Thief Rvr Falls	MN	RDS PI 3B85	1178	302d		
2014	????	91.5			RDS PI 3783-KOZB				
2015	KNBJ	91.3	Bemidji	MN	Minnesota Public Radio	1078	302d		
2115	WIRR	90.9	Virginia	MN	//91.5 999	303d			
2119	KCRB	88.5	Bemidji	MN	//91.5, 90.9	1078	302d		
2125	@KFBN	88.7	Fargo	ND	//Internet	1188	299d		

July 26 Ms

AM	@WKS	89.1	Thompson	OH	RDS PI A7F9	335	280d		
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July 27 TrS

1200	@WXPH	88.1	Harrisburg	PA	//WXPN	129	245d		
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July 28 Es

2057	WCNO	89.9	Palm City	FL	RDS PI 5B50	1019	214d		
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August 13 Ms

0500	WHRM	90.9	Wausau	WI	RDS PI 68EA	805	295d		
AM	WONU	89.7	Kankakee	IL	RDS PI 2258	688	275d		

August 14 Tr

2241	@WVCR	88.3	Loudonville	NY	Out of the blue with a solid series of Ids	116	16d		
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August 16 Tr

0058	@WSRV	92.3	Deltaville	VA	CC Radio Ad. Surf 92.3	262	202d		
0100	WFMZ	104.9	Hertford	NC	Praise 105	354	196d		
0215	@WYCS	91.5	Yorktown	VA	Oasis Network	282	201d		
0250	@WANG	105.1	Havelock	NC	Standards, WANG-FM 105.1	450	197d		
0255	@WNBR	94.1	Oriental	NC	This is Carolina Country	433	197d		

August 17 Ms

AM	@WWLL	105.7	Sebring	FL	RDS PI 8FE9	1020	204d		
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August 19 Ms

PM	&KIPR	92.3	Pine Bluff	AR	RDS PI 26B7	1060	250d
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August 20 Ms

PM	&KCXY	95.3	East Camden	AR	RDS PI 17B6	1122	249d
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August 21 Es

2300	KJTY	88.1	Topeka	KS	Unshackled	1114	271d
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August 22 Es

1614	WYPL	89.3	Memphis TN	RDS PI 9599	925	251d	
1615	????	89.5		Urban			
1616	????	90.3		Religion			
1617	KIPR	92.3	Pine Bluff	AR	Urban	1060	250d
1618	????	93.1		Shotgun by Jr. Walker			
1619	????	93.7		Zepplin			
1619	WBAD	94.3	Leland	MS	Computer Custom Services in Greenville	w/662 phone	
1620	KOLL	94.9	Maumelle	AR	Cool 95 Good Times	Great Oldies 1059	250d
1621	KERX	95.3	Paris	AR	RDS 1C61	1108	255d
1621	????	103.1		Religion			
1622	????	103.9		Country			
1622	????	104.5		Urban			
1622	????	104.7		Gospel			
1622	@KPBQ	101.3	Pine Bluff	AR	Jefferson County Clerk's Election	1060	248d
1623	KNUE	101.5	Tylertown	TX	RDS PI 3460	1273	249d
1624	KTXQ	102.1	Dallas	TX	Ad for Cotton Bowl	1360	252d
1625	KKYR	102.5	Texarkana	TX	Ashdown Mill in Southwest Arkansas		1187 251d
1626	????	103.1		Shania			
1626	@KOWS	103.9	Ashdown	AR	Back when country was great.	1180	251d
1627	????	104.3		Love Reading, a program of Women's American ORT			
1628	@KTOY	104.7	Texarkana	AR	KTOY kicks off another soft music mix	1191	251d
1630	????	106.5		Today's Hits. Yesterday's Classics			
1631	????	95.3		Sealed with a kiss			
1631	KSCS	96.3	Dallas	TX	1-800-New Power, KSCS calls	1360	252d
1634	KZHE	100.5	Stamps	AR	701 E. Main Street in Magnolia	1146	249d
1635	KICM	93.7	Healdton	OK	Best Buy Auto Sales...in Southern Ok	1328	256d
1636	KKPT	94.1	Little Rock	AR	RDS PI 4E28 which is KXOA	1061	252d
1637	KLTY	94.9	Dallas	TX	RDS PI 2F12	1360	252d
1637	KAFX	95.5	Diboll	TX	Six Flags over Texas	1298	246d
1638	@KTSH	99.7	Stillwater	OK	RDS PI 4407	1279	256d
1639	KZMP	101.7	Denison	TX	Tejano	1309	255d
1640	KZPS	92.5	Dallas	TX	Don Davis Auto Group	1360	252d
1645	@KARG	91.7	Poteau	OK	1IC0	1161	256d
1650	????	92.9		Urban			
1651	KCDI	93.3	Bryant	AR	"in Batesville."	1073	252d
1653	KKAJ	95.7	Ardmore	OK	Agriproducts in Ardmore	1318	256d
1654	????	96.5		Classical			
1655	KMCO	101.3	McAlester	OK	US Cellular. McAlester ment.	K-101 FM	1216 257d
1657	????	101.7		Solitary Man by Neil Diamond			
1659	????	90.5		Family Nx in Focus -- Nothing fits from web site			
1702	KMSI	88.1	Moore	OK	Oasis Network	1305	260d
1704	????	88.3		Country Gospel on the Gospel Stations			
1719	KOZO	89.7	Branson	MO	So. of Bartlesville Hwy 75 (Oasis Ntwk Promo)		
1720	KKNG	93.3	Newcastle	OK	Calls	1309	260d
1723	KAMO	94.3	Rogers	AR	Northwest Arkansas's Oldies Station	Oldies 94.3	
1724	KDGE	94.5	Gainesville	TX	Magic 94.5	1325	255d
1725	KOMA	92.5	Oklahoma City	OK	Conoco ad, St. Anthony's Hospital	1290	261d
1727	????	90.1		Classical during brief fade up			
1728	KMVL	100.5	Madisonville	TX	Star 100.5 KMVL	1367	247d
1729	KOKF	90.9	Edmund	OK	Oklahoma United Methodist Conference	1289	261d

August 23 Es

1128	KIWR	89.7	Council Bluffs	IA	89.7 The River	1109	279d
1130	WOI	90.1	Ames	IA	Calls	982	280d

August 24 Ms

????	CBEB	89.7	Manitouwadge	ON	RDS CB29 CBC R-1	781	326d
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September 5 Tr

1002	@WMRI 106.9	Marion	IN	Hoosier News	576	271d
1009	@WTUE 105.7	Dayton	OH	Mid Ohio Harley Davidson, Ohio Renaissance		
Festival	511	263d				
1026	@WLZZ 104.5	Montpelier	OH	Country 104.5 WLZZ	521	277d
1028	@WING 102.9	Dayton	OH	The New Hot 102.9	490	265d
1030	WPIT 101.5	Pittsburgh	PA	Religion	282	264d
1035	@WKS 101.7	Urbana	OH	Kiss Country	483	265d
1050	@WMMX 107.7	Dayton	OH	Mix 107.7	511	263d
1126	@CBBL 100.5	London	ON	Classical, w/requests from Toronto, Edmonton	369	293d
1127	@CJBC-4 99.3	London	ON	French 369	293d	
1139	CFPL 95.9	London	ON	London's Best Rock, FM 96	369	293d
2050	CKLH 102.9	Hamilton	ON	Hamilton's Light 102.9	311	302d

September 6 Tr

0105	CFPL 95.9	London	ON	London's Best Rock, FM 96	369	293d
0116	@WYFM 102.9	Sharon	PA	Your Classic Rock Station, Y-103	304	274d
0124	WKS 101.7	Urbana	OH	Clark and Cherokee Counties Best Country, Kiss		
				Country 101.7	483	265d
0139	#WKS 89.1	Thompson	OH	RDS PI A7F9	335	280d
0208	WDOK 102.1	Cleveland	OH	Soft Rock 102.1 WDOK	369	276d
0253	@WJQZ 103.5	Wellsville	NY	Oldies Radio Z 103.5 WJQZ Good Time Oldies		
				Rock and Roll	188	293d
0255	@WDKC 101.5	Covington	PA	Night to Remember	136	288d
0314	WRKT 100.9	Erie	PA	The Rocket	276	288d
0320	@WNIR 100.1	Kent	OH	Mike Gallagher	349	273d
0327	WOXX 99.3	Franklin	PA	99.3 and 104.5 The new Kiss FM	276	277d
0333	WXKC 99.9	Erie	PA	The Best Music Classy 100	284	286d
0336	@WQRT 98.3	Salamanca	NY	Schuber Enterprises in Salamanca	218	290d
0340	@WZKZ 101.9	Alfred	NY	WZKZRadio.COM, Country	183	296d
0401	@WSQA 88.7	Hornell	NY	WSQA 88.7 Hornell	176	299d
0402	WCID 89.1	Friendship	NY	RDS PI 56C5	198	293d
0406	@WKAR 90.5	East Lansing	MI	RDS PI 6F21 WKAR-FM	515	286d
0406	@WCOT 90.9	Jamestown	NY	REL, RDS PI 5B6F WCOT	238	288d
0415	WCOG 100.7	Galeton	PA	Family Life Network	161	286d
0429	@CIDR 93.9	Windsor	ON	New Light Rock 93.9 Lite Rock Less Talk RDS PI		
				CCCC PS LiteRock	438	283d

September 7 Tr/Ms

1038	WIKS 101.9	New Bern	NC	Kiss 102 for Carolina	425	200d
1047	@WXNR 99.5	Grifton	NC	At the Kinston Tracks in Kinston North Carolina.		
				New Rock 99X	425	200d
1048	@WRNS 95.1	Kinston	NC	"of New Bern on Highway 70." Hank Jr. selling		
				used cars in ad	434	200d
1800?	???? 105.5			RDS PI 3298 which is KNCQ.		

September 8 Tr

0848	@WAUA 89.5	Petersburg	WV	RDS PI BF01 which is a bad code. PS WVPR-PTR		
				and mention on RDS of WV Public Radio	275	244d
0900	WVEP 88.9	Martinsburg	WV	RDS PI BF01 which is a bad code. PS WVPR-MTB		
				and mention on RDS of WV Public Radio	239	238d
0959	WSLQ 99.1	Roanoke	VA	Q-99 on top	396	230d

September 9 Ms/Tr

0247	???? 100.1			RDS PI 2B16 which is KLAK.		
1040	WRKY 103.5	Wheeling	WV	"in Hopedale Ohio"	317	263d
1100	WCCL 101.7	Central City	PA	Cool 101.7	230	254d
1101	WBZB 93.3	Muncy	PA	All Oldies All the Time WBZB	121	277d
1110	WHAJ 104.5	Bluefield	WV	The Mountain's Best Mix of the 80s, 90s and		
				Today, K-104.5	437	235d
1121	WOMP 100.5	Bellaire	OH	100.5 WOMP FM	329	259d
1957	CIOO 100.1	Halifax	NS	Atlantic Canada Countdown C-100	609	62d

September 10 Ms

1700?	#KAYL 101.7	Storm Lake	IA	RDS FF7B. Prev on Es.	1059	283d
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September 16 Ms

1400	???? 93.9			RDS PI A2C0 which is KGIY.
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Morris Sorensen Winnipeg MB
Receiver Radio Shack DX-392 portable Antenna whip

Times CDT N=new	2157	KOLY	99.5	Mobridge	SD	338 N					
	2207	KQZZ	96.7	Devils Lake	ND	147					
Aug.2 Tropo		N over semi-local CILT									
2255 KNSW 91.7	Worthington	MN	439 N	2258	K210CJ	89.9	Devils Lake	ND	147		
2340 KICD 107.7	Spencer	IA	476 N New State		N 250 watt American Family Radio translator						
2353 KRCQ 102.3	Detroit Lakes MN										
	221 N										
Aug. 3 Tropo		Aug.4 Tropo									
1700 KFGO 101.9	Fargo	ND	209	0857	KDPR	89.9	Dickinson	ND	333 N		
1703 KQLX 106.1	Lisbon	ND	241 N								
1718 KMLO 100.7	Lowry	SD	344 N	Aug. 25 Tropo							
	New State					0557	KAUJ	100.9	Grafton	ND	103
1857 KIKN 100.5	Salem	SD	427 N		N Never heard under old KXPO calls. Has						
2000 KVHT 106.3	Vermillion	SD	492 N		picked up calls relinquished by 106.7 in						
new distance record for me on tropo						Walhalla along with oldies format. CBQH					
2055 KNDR 104.7	Mandan	ND	274		Dryden ON usually dominates here						
	N				when tropo is in.						

EDITOR'S NOTE: THAT'S ALL FOR THIS MONTH. DON'T FORGET PLEASE SUBMIT YOUR REPORTS BY THE 12TH OF EACH MONTH. ALSO PLEASE TRY TO USE THE FORMAT ABOVE (TIME/CALLS/FREQ/CITY/STATE/COMMENTS).

the QSL Corner

Thomas J. Yingling, Jr.
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Baltimore, MD 21222-2345
E-Mail: KA3TCC@EROLLS.COM

This column returns, but now I'm all out of QSL items again. Send some! In fact, this column never did die, it's just the lack of material. With the TV ID logos now easily found on the Internet, qsl'ing has gone down. Please dx, & ask for that QSL!

From Bruce Elving, 241 Anderson Road, Esko MN 55733-9413

CJLB 105.3 Thunder Bay ON

Bill Malcolm, program director, sent an e-mail verification of my Aug. 6 reception report. "We broadcast on 105.3 with a signal strength just under 100,000 watts. Legally, we have a 100,000-watt signal, but to be truthful, we don't pump it to the limit—more likely around 96,000 watts. "To the best of my knowledge, you are the greatest distance from which we've reached—but then, checking out your web page, it's no wonder. That's ONE HECK OF AN ANTENNA! I'm keeping your letter on file for when I want to show off." He later e-mailed and said I'd be welcome to tour the station in May 2002 when I expect to be in Thunder Bay.

From Roy Barstow, P O Box 2488, Teaticket, MA 02536

CBNT-TV CHANNEL 8 ST. JOHN'S NFLD CANADA, letter from Elaine Ames for Shawn R. Williams, P. Eng.
Regional Engineer

From John Vervoort, 217-79 St, Brooklyn, NY 11209-3607

WRIC-TV CHANNEL 8 Richmond VA, letter from Dan Klintworth, Station Manager
WMPT CHANNEL 22 Annapolis, MD letter from Cheryl Davis, Viewer Services Coordinator, also sends a copy of program log.





A U. S. Television Chronology

(part ten)

(Reprinted and edited, with permission, from data assembled by Jeff Miller. This and other historic broadcast-related items can be found at <http://members.aol.com/jeff560/jeff.html>).

(This timeline of U. S. television broadcasting history is a work in progress. If you can suggest any improvements in this list, please send them to: <JeffM@sanctum.com>.)

Feb. 15, 1950. WSYR-TV Syracuse NY, ch. 5 (later ch. 3); KEYL (KGBS-TV, KENS-TV) San Antonio TX, ch. 5.

Feb. 21, 1950. WOI-TV Ames IA, ch 4 (later channel 5).

Feb. 25, 1950. "Your Show of Shows" premieres on NBC.

Mar. 27, 1950. WHAS-TV Louisville KY, ch. 9 (later ch. 11). [According to a history of WHAS, the station originally operated with 9600 watts, but increased power to 50 kW visual on Aug. 7, 1951, the first TV station to broadcast with this much visual power. On Feb. 7, 1953, the station moved to Channel 11 and became the nation's first station with 316,000 watts visual ERP.]

Apr. 2, 1950. WTAR-TV Norfolk VA, ch. 4 (later ch. 3).

May 1, 1950. WJIM-TV Lansing MI, ch. 6.

May 29, 1950. "Broadway Open House" debuts.

June 1, 1950. WKZO-TV Kalamazoo MI, ch. 3.

July 1, 1950. WHBF-TV Rock Island IL, ch. 4.

July 10, 1950. "Your Hit Parade" premieres on NBC.

Sept. 4, 1950. *Broadcasting* reports FCC states it will adopt the CBS color-television system unless set makers agree to "bracket standards" to enable sets to receive both present 525-line pictures and the 405-line images proposed by CBS; if they agree, commission will adopt "bracket standards" for black-and-white TV and postpone color decision.

Sept. 30, 1950. WSM-TV Nashville TN, ch. 4.

Oct. 10, 1950. The FCC approves CBS color TV system, effective Nov. 20. CBS promises 20 hours of color programs a week within two months. RCA continues work on its compatible system. Manufacturers are divided as to whether to make sets and converters to receive CBS colorcasts.

Mar. 26, 1951. *Broadcasting* reports FCC reveals proposed allocation plan making full use of UHF band in addition to 12 VHF channels to provide for some 2,000 TV stations in more than 1,200 communities.

May 28, 1951. The U. S. Supreme Court upholds the FCC's approval of the CBS color system.

June 25, 1951. CBS broadcasts color using its non-compatible system. The one-hour program, called "Premiere",

featured Ed Sullivan and other CBS stars, and is carried on a five-station East Coast CBS-TV hookup.

Late June 1951. RCA demonstrates its new electronic color system.

Aug. 11, 1951. First baseball games televised in color, a double-header between the Brooklyn Dodgers and the Boston Braves, by WCBS-TV. Red Barber and Connie Desmond were the announcers.

Sept. 4, 1951. First transcontinental TV broadcast, featuring President Truman.

Sept. 22, 1951. First live sporting event seen coast-to-coast: a college football game between Duke and the University of Pittsburgh, at Pittsburgh (NBC-TV).

Oct. 1, 1951. WLTV (WAII-TV, WQXI-TV, Atlanta GA, originally ch. 8, later ch. 11.

Oct. 3, 1951. First live coast-to-coast network telecast of a World Series game (produced by Gillette, aired on NBC, CBS and ABC).

Oct. 15, 1951. "I Love Lucy" premieres on CBS.

Nov. 18, 1951. "See It Now" premieres on CBS, showing live shots of the Statue of Liberty and San Francisco Bay.

Dec. 24, 1951. First televised opera written for television, "Amahl and the Night Visitor", on NBC.

1952. KTLA makes the first telecast of an atomic bomb detonation. Klaus Landsberg led the engineering feat on short notice that established microwave links that had previously been considered impossible with existing technology. The station's feed was the source of network coverage to the nation.

Jan. 14, 1952. "Today" show premieres on NBC.

Apr. 14, 1952. FCC lifts TV freeze as of July 1; provides for 617 VHF and 1436 UHF allocations, including 242 non-commercial educational stations; establishes 3 zones with different mileage separation and antenna-height regulations; changes required of 30 TV stations.

Sept. 18, 1952. KPTV(TV) Portland, the first commercial UHF TV station, transmits its first test pattern, on ch. 27.

Sept. 23, 1952. Richard Nixon's "Checkers" speech is delivered.

Oct. 12, 1952. KBTV(TV) Denver (9), first post-freeze station in channels 7-13

Late 1952 to 1954. Numerous TV stations switched channels. A list of these changes will lead next month's continuation of this timeline feature.

Mar. 8, 1953. WFMJ-TV Youngstown begins broadcasting on channel 73, the highest channel so far.

Mar. 25, 1953. CBS concedes victory to RCA in the war over color TV standards.

Apr. 3, 1953. First issue of TV Guide is published, with 10 editions and a circulation of 1,562,000 copies.

May 25, 1953. KUHT Houston, the first non-commercial educational TV station, begins regular programming.

(This extensive chronicle of the beginnings of television will continue next month here in "TV TIME TUNNEL".)



How To Improve

YOUR UHF Reception!

The results of this FCC study can help you improve your UHF-TV reception significantly. This article is based on the July 1981 Radio Electronics article by Dennis C Brown.

Did you ever wish you could test dozens of tv reception accessories (like antennas, preamps, lead-ins, splitters, connectors and baluns) before deciding which to buy to improve your reception? The Federal Communications Commission has done it for you. In this report, we will reveal which UHF-TV antenna-system components were found to be the best when tested for the FCC by the electronics labs of The Georgia Institute of Technology.

Three caveats are in order: First, although no doubt every effort was made to be thorough in the selection of components to test, some manufacturers' products may not have been tested. Omission of some product from the report should not be taken to indicate any conclusion about that product. Second, the Georgia Tech study does not take into account variations from unit to unit and from batch to batch in a maker's line for the more expensive product. Thus, the unit tested may have been a lemon, an exceptionally good piece, or an average sample. Third, because the public release was expected to be confidential in regard to the manufacturers' names, the report's conclusions should not be taken as either criticism or endorsement of a particular product or manufacturer by either Georgia Tech or the FCC.

Before we look at the test results themselves, let's look at Georgia Tech's general conclusions:

1. UHF-only antennas provide better UHF performance than UHF-VHF combination antennas providing, on the average, a 2db gain advantage.
2. Considering both overall performance and cost, the outdoor 4-bay bowtie antenna, at an approximate cost of \$10, is considered the best antenna choice for UHF reception for most installations.
3. There are significant differences among preamps, with gains varying from -16db (an actual loss) to +35db, and with noise figures varying from 2.5db to 12db.
4. The benefit of a preamp is that it lowers the system noise figure, with a noise figure between 3db and 5db desirable.
5. A preamp mounted at the antenna will give better performance than one mounted indoors at the receiver. The improvement in performance is approximately equal to the loss suffered in the transmission line. A preamp gain of about 20db is desirable. A gain of 15db may be adequate, while more than 20db may be too much except in fringe areas.
6. Coaxial cables have the lowest VSWR and shielded twin-lead shows the highest VSWR.
7. RG-6/U coax is the best choice for UHF-TV reception.
8. There is no clear correlation between the price of a splitter and its performance characteristics.
9. Insertion loss of splitters tested ranged from .1db to 5db and insertion-loss differences among samples of the same model varied from .3 to 2.2db.
10. Splitter VSWR values ranged from 1.05:1 (very good) to 6.4:1 (not so good).
11. There does not appear to be much correlation between the price of a balun and its actual performance.
12. Insertion loss of the four models of baluns from three manufacturers ranged from .3db to 2.7db with insertion loss difference among samples of the same model varying from .2 to .9db.
13. The receiving system that the engineers considered to represent the optimum compromise between price and performance costs approximately \$70 and consists of a UHF-only 4 bay bowtie outdoor antenna, a UHF-only preamp with a noise figure of 2db to 5db and a gain of 20db, and RG-6/U transmission line.

Antennas. Georgia Tech engineers looked at 55 configurations of commercially available antennas and tested ten models. The Public Broadcasting Service had tested 29 antenna models and released data on those tests in 1978, and rather than re-testing those models, Georgia Tech used the PBS figures in its analysis. As could be expected from an understanding of antenna theory, the Channel Master 6 foot parabolic dish antenna showed the highest gain and narrowest beamwidth but an unexpectedly low front-to-back ratio possibly because ribs, rather than screen wire are used for the reflector.

Preamplifiers. Georgia Tech tested twelve marketed models from ten manufacturers plus a B-T prototype that is not commercially available. The one reason for having a preamp in the receiving system is that it can improve the system's overall noise figure. The preamp's noise figure sets the floor for the system's noise figure. To help, the preamp noise figure has to be lower than the TV tuner's noise figure. The gain of a preamp should equal the sum of the tuner-noise figure plus losses suffered in transmission line, baluns and splitter used. No one preamp tested showed all the characteristics that

one might desire, but Georgia Tech concluded that the Winegard model AC-4990 was probably the best amplifier tested.

Transmission Lines. Among the seventeen types of transmission lines from five manufacturers tested were twin-lead, shielded twin-lead and coaxial cables. Two factors are important: insertion loss and VSWR. Although twin-lead has the lowest insertion loss, in most practical installations it is not the best choice. Twin-lead is highly susceptible to performance degradation when it gets wet or when it is placed close to metal objects such as an antenna mast. That weakness will often result in a significantly greater loss and a poorer impedance match (higher VSWR which means greater loss and ghosts in the picture) than shown by coax under identical conditions. Shielded twin-lead is virtually immune to performance degradation due to moisture or proximity to metal, but it has a higher insertion loss and high VSWR compared to coaxial dabbles. All things considered, the additional cost of good coax in a Uhf system is truly trivial and coax should be your choice for transmission line.

Splitters. Georgia Tech found no clear correlation between the cost and performance of the splitters tested. Georgia Tech concluded that installing two transmission lines (one for VHF and one for UHF) to eliminate use of a splitter is a reasonable alternative. An additional 50 feet of RG-6/U cable will probably cost only a dollar or two more than a splitter, but will give better results.

Baluns. Georgia Tech tested several samples of four balun models. They found that there was little correlation between price and performance. Insertion loss variation among samples of the same model ranged from .2 to .9db.

Connectors. Georgia Tech engineers observed that type of connectors used and the nature of the connection itself can have a significant effect on performance. In fact, their effect on picture quality sometimes seems to be magic. What appears to be a perfectly good connection may give a miserable picture while a shaky connection that you wish you could trust to stay together gives a superb image on the screen. Engineers noted that twin-lead plugs and sockets, spade lugs and terminal strips all displayed such high VSWR levels that they could not be used in the test program. Engineers concluded that F-type connectors "accomplish good coaxial connections if the connectors are properly installed and no problems should be encountered when frequent disconnections and connections are not required. " -END-

UHF Outdoor Antenna Performance Characteristics

Model	Type	Max Gain	Min Gain	Beamwidth	F/b ratio
CM 4228A	8 Bay Bowtie	15	9.5	21.1	17.9
Winegard KU420	4 Bay Bowtie	13.1	9.0	49.4	14.5
Radio Shack U-100	C/R Yagi	13.5	-6.8	37.8	11.0
Winegard CH-9075	C/R Yagi	13.5	-3.0	38.5	8.1
Finco P-5	5' parabolic	13.9	-1.1	21.6	10.3
CM-4250	6' parabolic	17.9	11.7	16.1	11.0

Summary of UHF Preamps

Model	Type	Impedance	Gain Max	Gain Min	Noise
R. Shack 15-1134	U/V	300/75	16.3	4.9	5.1
R.Shack 15-1134	U/V	300/300	18.1	7.5	5.2
Winegard AC-4990	UHF	300/75	20.0	11.1	4.6

Summary of UHF/VHF Combination Antennas

Model	Type	Max Gain	Min Gain	Beamwidth	F/B Ratio
CM 4795	VHF-LP UHF C/R Yagi	6.0	-5.0	37.4	10.2
R.Shack VU-110	VHF-LP V UHFC/R Yagi	10.5	0.0	31.3	7.1
R.Shack VU-160	" "	12.0	2.5	34.9	8.5
Winegard CH-7080	VHF LP, UHF Yagi	10.1	4.0	44.2	14.1

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